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für

1921

146. Jahrgang

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von dem

Astronomischen Rechen-Institut

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1919

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Vorwort

Vom Jahrgang 1916 an ist der fundamentale Meridian, auf den alle Angaben des Jahrbuchs bezogen sind, der Meridian von Greenwich. Die Zeitangaben sind in Mittlerer Zeit Greenwich, die Kulminations-Phänomene für die Kulmination im Meridian von Greenwich gegeben.

Die Grundlagen des Berliner Astronomischen Jahrbuchs bilden:

Für die Sonne und die großen Planeten:

Die Tafeln von Newcomb und (für Jupiter und Saturn) von Hill, enthalten in:

Astronomical Papers of the American Ephemeris,
Vol. VI, Part I—IV: *Tables of the four inner planets*,
Vol. VII, Part I—IV: *Tables of Jupiter*, *Saturn*, *Uranus*, *Neptune*.

Als Sonnenhalbmesser in der mittleren Entfernung ist nach Auwers angenommen: $R = 15' 59''.63$.

Für den Mond:

Tables de la lune von P. A. Hansen, unter Verbesserung der Tafel 34 für das Fundamentalargument nach Newcomb. Außerdem enthalten die Mondörter die empirischen Korrektionen von Newcomb nach: »Corrections to Hansen's tables of the Moon« (Washington, 1878).

Mittlere Mondparallaxe nach Hansen $57' 2''.27$.

Der geozentrische Mondhalbmesser $r_☾$ ist aus der Äquatorial-Horizontalparallaxe $p_☾$ gerechnet nach der Formel

$$r_☾ = 0.272506\, p_☾ + 1''.50$$

Als Neigung des Mondäquators gegen die Ekliptik ist nach F. Hayn (A. N. **199**, 263) angenommen: $J = 1°32'20''$.

Für die Fixsterne:

Neuer Fundamentalkatalog des Berliner Astronomischen Jahrbuchs nach den Grundlagen von A. Auwers, für die Epochen 1875 und 1900 bearbeitet von Dr. J. Peters (Veröffentlichung Nr. 33 des Königlichen Astronomischen Rechen-Instituts).

Die Sternspektra sind der »Revised Harvard Photometry (Harvard Annals, vol. 50)« entnommen.

Als Werte der fundamentalen Reduktionsgrößen sind angenommen:

Die Präzessions-Größen nach S. Newcomb (vgl. H. Andoyer, Bull. Astr. 28, 67)
Die Nutations-Konstante . . . . 9″.21
Die Nutations-Größen nach S. Newcomb (Bull. Astr. 15, 241)
Die Aberrations-Konstante . . . . 20″.47
Die Sonnen-Parallaxe . . . . 8″.80
Die Abplattung der Erde . . . 1 : 297.0

Für die Satelliten:

Die Angaben über die 4 älteren Jupiterstrabanten beruhen auf den neuen Tafeln von R. A. Sampson (*Tables of the four great Satellites of Jupiter*. London 1910), die Angaben über die 8 älteren Saturnssatelliten auf den von H. Struve ermittelten Werten (Näheres s. Erläuterungen).

In allen Ephemeriden der Sonne, der Planeten und der Fixsterne sind die kurzperiodischen, von der Mondlänge abhängigen Nutationsglieder weggelassen; doch bietet das Jahrbuch die Möglichkeit, auch diese weggelassenen Glieder zu berücksichtigen (s. Erläuterungen).

Der Inhalt des Jahrbuchs hat gegen das Vorjahr keine Änderungen erfahren. Bezüglich der Zahlengrundlagen sei auf die im Berliner Jahrbuch für 1916 gegebene Darstellung der »Grundbegriffe der Sphärischen Astronomie« hingewiesen, von der Sonderabdrücke auf Wunsch durch das Astronomische Rechen-Institut, Berlin-Dahlem, zu erhalten sind.

Fritz Cohn.

Inhalt

Zeit- und Festrechnung 1921

Das Jahr 1921 entspricht dem
Jahr 6634 der Julianischen Periode und dem
Jahr 7429 — 7430 der Byzantinischen Ära

Gregorianischer Kalender		Julianischer Kalender	Tag im Julianischen Kalender	Tag im Gregorianischen Kalender
Septuagesima	23. Jan.	Septuagesima	14. Febr.	27. Febr.
Aschermittwoch	9. Febr.	Ascherwittwoch	3. März	16. März
I. Quatember	16. Febr.	I. Quatember	10. März	23. März
Ostersonntag	27. März	Ostersonntag	18. April	1. Mai
Himmelfahrt	5. Mai	Himmelfahrt	27. Mai	9. Juni
Pfingstsonntag	15. Mai	Pfingstsonntag	6. Juni	19. Juni
II. Quatember	18. Mai	II. Quatember	9. Juni	22. Juni
III. Quatember	21. Sept.	III. Quatember	15. Sept.	28. Sept.
I. Advent	27. Nov.	I. Advent	28. Nov.	11. Dez.
IV. Quatember	14. Dez.	IV. Quatember	15. Dez.	28. Dez.

Kalender der Mohammedaner

1339 (Gemeinjahr)

Dschemâdi-el-awwel 1	1921	Jan.	11
Dschemâdi-el-accher 1	»	Febr.	10
Redscheb 1	»	März	11
Schabân 1	»	April	10
Ramadân 1	»	Mai	9
Schewwâl 1	»	Juni	8
Dsû 'l-kade 1	»	Juli	7
Dsu 'l-hedsche 1	»	Aug.	6

1340 (Gemeinjahr)

Moharrem 1	1921	Sept.	4
Safar 1	»	Okt.	4
Rebî-el-awwel 1	»	Nov.	2
Rebî-el-accher 1	»	Dez.	2
Dschemâdi-el-awwel 1	»	Dez.	31

Kalender der Juden

5681 (Überzähliges Schaltjahr)

Schebat	1	. . . .	1921	Jan.	10
Adar	1	. . . .	»	Febr.	9
	14	Klein Purim	»		22
Veadar	1	. . . .	»	März	11
	13	Fasten-Esther	»		23
	14	Purim	»		24
	15	Schuschan-Purim	»		25
Nisan	1	. . . .	»	April	9
	15	Passah-Anfang*	»		23
	16	Zweites Fest*	»		24
	21	Siebentes Fest*	»		29
	22	Achtes Fest*	»		30
Ijar	1	. . . .	»	Mai	9
	18	Lag-B'omer	»		26
Sivan	1	. . . .	»	Juni	7
	6	Wochenfest*	»		12
	7	Zweites Fest*	»		13
Thamuz	1	. . . .	»	Juli	7
	18	Fasten. Tempeleroberung	»		24
Ab	1	. . . .	»	Aug.	5
	10	Fasten. Tempelverbrennung . . .	»		14
Elul	1	. . . .	»	Sept.	4

5682 (Überzähliges Gemeinjahr)

Tischri	1	Neujahrsfest*	1921	Okt.	3
	2	Zweites Fest*	»		4
	3	Fasten-Gedaljah	»		5
	10	Versöhnungsfest*	»		12
	15	Laubhüttenfest*	»		17
	16	Zweites Fest*	»		18
	21	Palmenfest	»		23
	22	Versammlung oder Laubhüttenende* .	»		24
	23	Gesetzesfreude*	»		25
Marcheschwan	1	. . . .	»	Nov.	2
Kislev	1	. . . .	»	Dez.	2
	25	Tempelweihe	»		26

Die mit * bezeichneten Festtage werden streng gefeiert

Astronomische Zeichen und Abkürzungen

Bezeichnung
der
Wochentage

☉ Sonntag
☾ Montag
♂ Dienstag
☿ Mittwoch
♃ Donnerstag
♀ Freitag
♄ Sonnabend

Adspekten

☌ Konjunktion
□ Quadratur
☍ Opposition

Mondphasen

● Neumond
◐ Erstes Viertel
○ Vollmond
◑ Letztes Viertel

☊ Aufsteigender } Knoten
☋ Niedersteigender } Knoten

Zeichen
des Tierkreises und der Himmelskörper

♈ Widder . . .	0 Grad	
♉ Stier	30 »	☉ Sonne
♊ Zwillinge . .	60 »	☾ Mond
♋ Krebs	90 »	☿ Merkur
♌ Löwe	120 »	♀ Venus
♍ Jungfrau . .	150 »	♁ Erde
♎ Wage	180 »	♂ Mars
♏ Skorpion . .	210 »	♃ Jupiter
♐ Schütze . . .	240 »	♄ Saturn
♑ Steinbock . .	270 »	♅ Uranus
♒ Wassermann	300 »	♆ Neptun
♓ Fische . . .	330 »	

Sonne, Mond, Große Planeten

1921

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1921		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Jan. 0.0	Fr	+ 3 4.97	28.58	18 41 31.04	4 25.13	−23 6 15.3	4 37.0	70.96	16 15.97
1.0	So	3 33.55	28.28	18 45 56.17	4 24.84	23 1 38.3	5 4.6	70.92	16 15.97
2.0	St	4 1.83	27.96	18 50 21.01	4 24.52	22 56 33.7	5 32.1	70.87	16 15.96
3.0	Mo	4 29.79	27.60	18 54 45.53	4 24.15	22 51 1.6	5 59.4	70.82	16 15.95
4.0	Di	4 57.39	27.21	18 59 9.68	4 23.76	22 45 2.2	6 26.4	70.77	16 15.94
5.0	Mi	5 24.60	26.78	19 3 33.44	4 23.35	22 38 35.8	6 53.4	70.71	16 15.92
6.0	Do	+ 5 51.38	26.33	19 7 56.79	4 22.89	−22 31 42.4	7 20.1	70.65	16 15.90
7.0	Fr	6 17.71	25.85	19 12 19.68	4 22.40	22 24 22.3	7 46.6	70.59	16 15.88
8.0	So	6 43.56	25.34	19 16 42.08	4 21.89	22 16 35.7	8 12.8	70.52	16 15.85
9.0	St	7 8.90	24.79	19 21 3.97	4 21.36	22 8 22.9	8 38.8	70.45	16 15.82
10.0	Mo	7 33.69	24.22	19 25 25.33	4 20.78	21 59 44.1	9 4.6	70.37	16 15.78
11.0	Di	7 57.91	23.63	19 29 46.11	4 20.18	21 50 39.5	9 30.0	70.29	16 15.74
12.0	Mi	+ 8 21.54	23.01	19 34 6.29	4 19.57	−21 41 9.5	9 55.2	70.21	16 15.69
13.0	Do	8 44.55	22.36	19 38 25.86	4 18.92	21 31 14.3	10 20.1	70.13	16 15.64
14.0	Fr	9 6.91	21.70	19 42 44.78	4 18.25	21 20 54.2	10 44.7	70.04	16 15.59
15.0	So	9 28.61	21.00	19 47 3.03	4 17.56	21 10 9.5	11 9.0	69.95	16 15.53
16.0	St	9 49.61	20.29	19 51 20.59	4 16.85	20 59 0.5	11 32.9	69.86	16 15.47
17.0	Mo	10 9.90	19.57	19 55 37.44	4 16.12	20 47 27.6	11 56.6	69.76	16 15.40
18.0	Di	+10 29.47	18.83	19 59 53.56	4 15.39	−20 35 31.0	12 19.9	69.66	16 15.33
19.0	Mi	10 48.30	18.08	20 4 8.95	4 14.63	20 23 11.1	12 42.9	69.56	16 15.25
20.0	Do	11 6.38	17.30	20 8 23.58	4 13.87	20 10 28.2	13 5.5	69.46	16 15.17
21.0	Fr	11 23.68	16.54	20 12 37.45	4 13.09	19 57 22.7	13 27.9	69.36	16 15.08
22.0	So	11 40.22	15.76	20 16 50.54	4 12.31	19 43 54.8	13 49.9	69.25	16 14.99
23.0	St	11 55.98	14.97	20 21 2.85	4 11.52	19 30 4.9	14 11.4	69.14	16 14.89
24.0	Mo	+12 10.95	14.18	20 25 14.37	4 10.74	−19 15 53.5	14 32.7	69.03	16 14.78
25.0	Di	12 25.13	13.39	20 29 25.11	4 9.95	19 1 20.8	14 53.7	68.92	16 14.67
26.0	Mi	12 38.52	12.60	20 33 35.06	4 9.16	18 46 27.1	15 14.2	68.81	16 14.55
27.0	Do	12 51.12	11.81	20 37 44.22	4 8.36	18 31 12.9	15 34.4	68.70	16 14.42
28.0	Fr	13 2.93	11.02	20 41 52.58	4 7.57	18 15 38.5	15 54.2	68.59	16 14.29
29.0	So	13 13.95	10.21	20 46 0.15	4 6.77	17 59 44.3	16 13.6	68.48	16 14.16
30.0	St	+13 24.16	9.42	20 50 6.92	4 5.98	−17 43 30.7	16 32.6	68.36	16 14.02
31.0	Mo	13 33.58	8.62	20 54 12.90	4 5.17	17 26 58.1	16 51.2	68.25	16 13.88
Febr. 1.0	Di	13 42.20	7.81	20 58 18.07	4 4.36	17 10 6.9	17 9.3	68.13	16 13.73
2.0	Mi	13 50.01	7.00	21 2 22.43	4 3.56	16 52 57.6	17 27.2	68.02	16 13.57
3.0	Do	13 57.01	6.21	21 6 25.99	4 2.76	16 35 30.4	17 44.5	67.90	16 13.42
4.0	Fr	14 3.22	5.40	21 10 28.75	4 1.95	16 17 45.9	18 1.4	67.79	16 13.26
5.0	So	+14 8.62	4.59	21 14 30.70	4 1.15	−15 59 44.5	18 17.9	67.67	16 13.09
6.0	St	14 13.21	3.79	21 18 31.85	4 0.35	15 41 26.6	18 34.1	67.56	16 12.93
7.0	Mo	14 17.00	3.00	21 22 32.20	3 59.55	15 22 52.5	18 49.7	67.45	16 12.76
8.0	Di	14 20.00	2.20	21 26 31.75	3 58.75	15 4 2.8	19 4.9	67.33	16 12.59
9.0	Mi	14 22.20	1.40	21 30 30.50	3 57.96	14 44 57.9	19 19.6	67.22	16 12.42
10.0	Do	14 23.60		21 34 28.46		14 25 38.3		67.11	16 12.24

Tag	Julian. Tag	0ʰ mittlere Zeit Greenwich: Sternzeit	Mittleres Äquinoktium 1921.0: Länge		Breite	log R		Untergang in +50° Breite	Aufgang 0ʰ Länge
1921	2422	h m s	° ′ ″	′ ″	″			h m	h m
Jan. 0	690	18 38 26.07	279 32 30.2	61 9.4	−0.46	9.992 6696	5	4 8	19 59
1	691	18 42 22.62	280 33 39.6	61 9.6	−0.34	9.992 6691	18	4 9	19 59
2	692	18 46 19.18	281 34 49.2	61 10.0	−0.22	9.992 6709	39	4 10	19 59
3	693	18 50 15.74	282 35 59.2	61 10.2	−0.09	9.992 6748	59	4 11	19 58
4	694	18 54 12.30	283 37 9.4	61 10.3	+0.03	9.992 6807	78	4 12	19 58
5	695	18 58 8.85	284 38 19.7	61 10.3	+0.14	9.992 6885	96	4 13	19 58
6	696	19 2 5.41	285 39 30.0	61 10.3	+0.24	9.992 6981	114	4 14	19 58
7	697	19 6 1.97	286 40 40.3	61 10.3	+0.32	9.992 7095	131	4 15	19 57
8	698	19 9 58.52	287 41 50.6	61 10.0	+0.38	9.992 7226	149	4 16	19 57
9	699	19 13 55.08	288 43 0.6	61 9.8	+0.41	9.992 7375	165	4 18	19 56
10	700	19 17 51.64	289 44 10.4	61 9.3	+0.41	9.902 7540	183	4 19	19 56
11	701	19 21 48.20	290 45 19.7	61 8.9	+0.39	9.992 7723	201	4 20	19 55
12	702	19 25 44.75	291 46 28.6	61 8.5	+0.35	9.992 7924	218	4 22	19 55
13	703	19 29 41.31	292 47 37.1	61 7.8	+0.28	9.992 8142	236	4 23	19 54
14	704	19 33 37.87	293 48 44.9	61 7.1	+0.19	9.992 8378	255	4 25	19 53
15	705	19 37 34.42	294 49 52.0	61 6.4	+0.08	9.992 8633	275	4 26	19 53
16	706	19 41 30.98	295 50 58.4	61 5.5	−0.04	9.992 8908	296	4 28	19 52
17	707	19 45 27.53	296 52 3.9	61 4.6	−0.18	9.992 9204	318	4 29	19 51
18	708	19 49 24.09	297 53 8.5	61 3.8	−0.31	9.992 9522	342	4 31	19 50
19	709	19 53 20.65	298 54 12.3	61 2.8	−0.43	9.992 9864	366	4 32	19 49
20	710	19 57 17.20	299 55 15.1	61 1.9	−0.54	9.993 0230	392	4 34	19 48
21	711	20 1 13.76	300 56 17.0	61 1.0	−0.63	9.993 0622	419	4 35	19 47
22	712	20 5 10.32	301 57 18.0	61 0.2	−0.70	9.993 1041	447	4 37	19 46
23	713	20 9 6.87	302 58 18.2	60 59.3	−0.73	9.993 1488	475	4 38	19 45
24	714	20 13 3.43	303 59 17.5	60 58.6	−0.74	9.993 1963	502	4 40	19 44
25	715	20 16 59.98	305 0 16.1	60 57.8	−0.71	9.993 2465	529	4 42	19 42
26	716	20 20 56.54	306 1 13.9	60 57.1	−0.64	9.993 2994	556	4 43	19 41
27	717	20 24 53.09	307 2 11.0	60 56.5	−0.54	9.993 3550	580	4 45	19 40
28	718	20 28 49.65	308 3 7.5	60 55.8	−0.43	9.993 4130	603	4 47	19 39
29	719	20 32 46.20	309 4 3.3	60 55.0	−0.31	9.993 4733	625	4 48	19 37
30	720	20 36 42.76	310 4 58.3	60 54.4	−0.17	9.993 5358	645	4 50	19 36
31	721	20 40 39.31	311 5 52.7	60 53.6	−0.05	9.993 6003	663	4 52	19 35
Febr. 1	722	20 44 35.87	312 6 46.3	60 52.7	+0.06	9.993 6666	681	4 54	19 33
2	723	20 48 32.43	313 7 39.0	60 51.8	+0.16	9.993 7347	697	4 55	19 32
3	724	20 52 28.98	314 8 30.8	60 50.9	+0.25	9.993 8044	712	4 57	19 30
4	725	20 56 25.53	315 9 21.7	60 49.9	+0.31	9.993 8756	727	4 59	19 29
5	726	21 0 22.09	316 10 11.6	60 48.8	+0.34	9.993 9483	740	5 0	19 27
6	727	21 4 18.64	317 11 0.4	60 47.6	+0.35	9.994 0223	753	5 2	19 25
7	728	21 8 15.20	318 11 48.0	60 46.4	+0.33	9.994 0976	766	5 4	19 24
8	729	21 12 11.75	319 12 34.4	60 45.1	+0.29	9.994 1742	778	5 5	19 22
9	730	21 16 8.31	320 13 19.5	60 43.6	+0.22	9.994 2520	790	5 7	19 20
10	731	21 20 4.86	321 14 3.1		+0.13	9.994 3310		5 9	19 19

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1921		m s	s	h m s	m s	° ' "	' "	s	' "
Febr. 10.0	Do	+14 23.60	0.62	21 34 28.46	3 57.17	−14 25 38.3	19 34.1	67.11	16 12.24
11.0	Fr	14 24.22	0.17	21 38 25.63	3 56.39	14 6 4.2	19 48.0	67.00	16 12.06
12.0	So	14 24.05	0.94	21 42 22.02	3 55.61	13 46 16.2	20 1.5	66.89	16 11.88
13.0	St	14 23.11	1.71	21 46 17.63	3 54.85	13 26 14.7	20 14.5	66.78	16 11.69
14.0	Mo	14 21.40	2.47	21 50 12.48	3 54.09	13 6 0.2	20 27.2	66.68	16 11.50
15.0	Di	14 18.93	3.21	21 54 6.57	3 53.33	12 45 33.0	20 39.5	66.57	16 11.31
16.0	Mi	+14 15.72	3.95	21 57 59.90	3 52.60	−12 24 53.5	20 51.3	66.47	16 11.12
17.0	Do	14 11.77	4.68	22 1 52.50	3 51.88	12 4 2.2	21 2.7	66.37	16 10.92
18.0	Fr	14 7.09	5.38	22 5 44.38	3 51.17	11 42 59.5	21 13.7	66.27	16 10.72
19.0	So	14 1.71	6.08	22 9 35.55	3 50.48	11 21 45.8	21 24.3	66.17	16 10.51
20.0	St	13 55.63	6.75	22 13 26.03	3 49.80	11 0 21.5	21 34.6	66.08	16 10.30
21.0	Mo	13 48.88	7.40	22 17 15.83	3 49.16	10 38 46.9	21 44.4	65.98	16 10.08
22.0	Di	+13 41.48	8.03	22 21 4.99	3 48.52	−10 17 2.5	21 53.9	65.89	16 9.87
23.0	Mi	13 33.45	8.64	22 24 53.51	3 47.91	9 55 8.6	22 2.9	65.80	16 9.65
24.0	Do	13 24.81	9.23	22 28 41.42	3 47.32	9 33 5.7	22 11.7	65.71	16 9.41
25.0	Fr	13 15.58	9.81	22 32 28.74	3 46.75	9 10 54.0	22 19.9	65.62	16 9.18
26.0	So	13 5.77	10.35	22 36 15.49	3 46.19	8 48 34.1	22 27.9	65.54	16 8.95
27.0	St	12 55.42	10.89	22 40 1.68	3 45.66	8 26 6.2	22 35.3	65.46	16 8.70
28.0	Mo	+12 44.53	11.40	22 43 47.34	3 45.15	− 8 3 30.9	22 42.5	65.38	16 8.46
März 1.0	Di	12 33.13	11.90	22 47 32.49	3 44.66	7 40 48.4	22 49.2	65.30	16 8.22
2.0	Mi	12 21.23	12.38	22 51 17.15	3 44.18	7 17 59.2	22 55.5	65.23	16 7.96
3.0	Do	12 8.85	12.84	22 55 1.33	3 43.71	6 55 3.7	23 1.5	65.16	16 7.72
4.0	Fr	11 56.01	13.28	22 58 45.04	3 43.27	6 32 2.2	23 6.9	65.09	16 7.46
5.0	So	11 42.73	13.71	23 2 28.31	3 42.84	6 8 55.3	23 12.0	65.02	16 7.21
6.0	St	+11 29.02	14.11	23 6 11.15	3 42.44	− 5 45 43.3	23 16.8	64.96	16 6.95
7.0	Mo	11 14.91	14.51	23 9 53.59	3 42.04	5 22 26.5	23 21.1	64.90	16 6.70
8.0	Di	11 0.40	14.89	23 13 35.63	3 41.67	4 59 5.4	23 24.9	64.84	16 6.44
9.0	Mi	10 45.51	15.24	23 17 17.30	3 41.31	4 35 40.5	23 28.5	64.79	16 6.18
10.0	Do	10 30.27	15.59	23 20 58.61	3 40.96	4 12 12.0	23 31.6	64.74	16 5.93
11.0	Fr	10 14.68	15.91	23 24 39.57	3 40.64	3 48 40.4	23 34.3	64.69	16 5.66
12.0	So	+ 9 58.77	16.23	23 28 20.21	3 40.33	− 3 25 6.1	23 36.6	64.64	16 5.40
13.0	St	9 42.54	16.52	23 32 0.54	3 40.03	3 1 29.5	23 38.6	64.60	16 5.15
14.0	Mo	9 26.02	16.79	23 35 40.57	3 39.76	2 37 50.9	23 40.1	64.56	16 4.89
15.0	Di	9 9.23	17.05	23 39 20.33	3 39.50	2 14 10.8	23 41.3	64.52	16 4.63
16.0	Mi	8 52.18	17.30	23 42 59.83	3 39.26	1 50 29.5	23 42.1	64.49	16 4.36
17.0	Do	8 34.88	17.51	23 46 39.09	3 39.04	1 26 47.4	23 42.5	64.46	16 4.10
18.0	Fr	+ 8 17.37	17.71	23 50 18.13	3 38.84	− 1 3 4.9	23 42.6	64.43	16 3.84
19.0	So	7 59.66	17.88	23 53 56.97	3 38.67	0 39 22.3	23 42.3	64.41	16 3.58
20.0	St	7 41.78	18.04	23 57 35.64	3 38.52	− 0 15 40.0	23 41.6	64.39	16 3.31
21.0	Mo	7 23.74	18.16	0 1 14.16	3 38.39	+ 0 8 1.6	23 40.7	64.37	16 3.04
22.0	Di	7 5.58	18.27	0 4 52.55	3 38.28	0 31 42.3	23 39.4	64.35	16 2.77
23.0	Mi	6 47.31		0 8 30.83		0 55 21.7		64.33	16 2.50

Tag	Julian. Tag	0h mittlere Zeit Greenwich													Untergang in +50° Breite		Aufgang 0h Länge	
		Sternzeit			Mittleres Äquinoktium 1921.0 Länge					Breite	log R							
1921	2422	h	m	s	°	′	″	′	″	″					h	m	h	m
Febr. 10	731	21	20	4.86	321	14	3.1	60	42.2	+0.13	9.994 3310			802	5	9	19	19
11	732	21	24	1.41	322	14	45.3	60	40.6	+0.02	9.994 4112			814	5	11	19	17
12	733	21	27	57.97	323	15	25.9	60	39.0	−0.10	9.994 4926			827	5	12	19	15
13	734	21	31	54.52	324	16	4.9	60	37.3	−0.23	9.994 5753			841	5	14	19	14
14	735	21	35	51.07	325	16	42.2	60	35.7	−0.37	9.994 6594			855	5	16	19	12
15	736	21	39	47.63	326	17	17.9	60	33.7	−0.49	9.994 7449			870	5	18	19	10
16	737	21	43	44.18	327	17	51.6	60	31.8	−0.60	9.994 8319			887	5	19	19	8
17	738	21	47	40.74	328	18	23.4	60	30.1	−0.70	9.994 9206			904	5	21	19	6
18	739	21	51	37.29	329	18	53.5	60	28.2	−0.77	9.995 0110			923	5	23	19	4
19	740	21	55	33.84	330	19	21.7	60	26.4	−0.80	9.995 1033			943	5	25	19	2
20	741	21	59	30.40	331	19	48.1	60	24.7	−0.80	9.995 1976			963	5	26	19	1
21	742	22	3	26.95	332	20	12.8	60	23.0	−0.78	9.995 2939			984	5	28	18	59
22	743	22	7	23.50	333	20	35.8	60	21.3	−0.72	9.995 3923			1005	5	30	18	57
23	744	22	11	20.05	334	20	57.1	60	19.7	−0.63	9.995 4928			1024	5	31	18	55
24	745	22	15	16.61	335	21	16.8	60	18.2	−0.51	9.995 5952			1042	5	33	18	53
25	746	22	19	13.16	336	21	35.0	60	16.6	−0.38	9.995 6994			1060	5	35	18	51
26	747	22	23	9.71	337	21	51.6	60	15.2	−0.25	9.995 8054			1076	5	36	18	49
27	748	22	27	6.27	338	22	6.8	60	13.7	−0.12	9.995 9130			1090	5	38	18	47
28	749	22	31	2.82	339	22	20.5	60	12.1	0.00	9.996 0220			1103	5	40	18	45
März 1	750	22	34	59.37	340	22	32.6	60	10.7	+0.11	9.996 1323			1114	5	41	18	43
2	751	22	38	55.92	341	22	43.3	60	9.1	+0.20	9.996 2437			1123	5	43	18	41
3	752	22	42	52.48	342	22	52.4	60	7.4	+0.27	9.996 3560			1132	5	45	18	39
4	753	22	46	49.03	343	22	59.8	60	5.9	+0.31	9.996 4692			1140	5	46	18	36
5	754	22	50	45.58	344	23	5.7	60	4.2	+0.32	9.996 5832			1146	5	48	18	34
6	755	22	54	42.13	345	23	9.9	60	2.5	+0.31	9.996 6978			1151	5	50	18	32
7	756	22	58	38.68	346	23	12.4	60	0.7	+0.27	9.996 8129			1155	5	51	18	30
8	757	23	2	35.24	347	23	13.1	59	58.8	+0.21	9.996 9284			1159	5	53	18	28
9	758	23	6	31.79	348	23	11.9	59	57.0	+0.13	9.997 0443			1161	5	54	18	26
10	759	23	10	28.34	349	23	8.9	59	55.0	+0.02	9.997 1604			1163	5	56	18	24
11	760	23	14	24.89	350	23	3.9	59	53.0	−0.11	9.997 2767			1165	5	58	18	22
12	761	23	18	21.44	351	22	56.9	59	50.8	−0.25	9.997 3932			1168	5	59	18	19
13	762	23	22	18.00	352	22	47.7	59	48.6	−0.38	9.997 5100			1170	6	1	18	17
14	763	23	26	14.55	353	22	36.3	59	46.5	−0.51	9.997 6270			1173	6	3	18	15
15	764	23	30	11.10	354	22	22.8	59	44.1	−0.62	9.997 7443			1177	6	4	18	13
16	765	23	34	7.65	355	22	6.9	59	41.9	−0.72	9.997 8620			1182	6	6	18	11
17	766	23	38	4.20	356	21	48.8	59	39.5	−0.79	9.997 9802			1188	6	7	18	9
18	767	23	42	0.76	357	21	28.3	59	37.2	−0.83	9.998 0990			1195	6	9	18	6
19	768	23	45	57.31	358	21	5.5	59	34.9	−0.84	9.998 2185			1203	6	11	18	4
20	769	23	49	53.86	359	20	40.4	59	32.7	−0.82	9.998 3388			1212	6	12	18	2
21	770	23	53	50.41	0	20	13.1	59	30.5	−0.76	9.998 4600			1222	6	14	18	0
22	771	23	57	46.96	1	19	43.6	59	28.3	−0.67	9.998 5822			1232	6	15	17	58
23	772	0	1	43.51	2	19	11.9			−0.55	9.998 7054				6	17	17	56

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1921		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
März 23.0	Mi	+6 47.31	18.35	0 8 30.83	3 38.20	+ 0 55 21.7	23 37.7	64.33	16 2.50
24.0	Do	6 28.96	18.39	0 12 9.03	3 38.15	1 18 59.4	23 35.8	64.32	16 2.22
25.0	Fr	6 10.57	18.43	0 15 47.18	3 38.13	1 42 35.2	23 33.5	64.32	16 1.94
26.0	So	5 52.14	18.43	0 19 25.31	3 38.12	2 6 8.7	23 30.8	64.32	16 1.66
27.0	St	5 33.71	18.42	0 23 3.43	3 38.13	2 29 39.5	23 27.8	64.32	16 1.38
28.0	Mo	5 15.29	18.38	0 26 41.56	3 38.17	2 53 7.3	23 24.4	64.32	16 1.10
29.0	Di	+4 56.91	18.31	0 30 19.73	3 38.24	+ 3 16 31.7	23 20.8	64.33	16 0.82
30.0	Mi	4 38.60	18.24	0 33 57.97	3 38.32	3 39 52.5	23 16.7	64.34	16 0.53
31.0	Do	4 20.36	18.14	0 37 36.29	3 38.42	4 3 9.2	23 12.3	64.35	16 0.25
April 1.0	Fr	4 2.22	18.01	0 41 14.71	3 38.53	4 26 21.5	23 7.6	64.36	15 59.97
2.0	So	3 44.21	17.88	0 44 53.24	3 38.67	4 49 29.1	23 2.5	64.37	15 59.69
3.0	St	3 26.33	17.73	0 48 31.91	3 38.83	5 12 31.6	22 57.1	64.39	15 59.41
4.0	Mo	+3 8.60	17.55	0 52 10.74	3 39.00	+ 5 35 28.7	22 51.2	64.41	15 59.13
5.0	Di	2 51.05	17.37	0 55 49.74	3 39.18	5 58 19.9	22 45.0	64.44	15 58.85
6.0	Mi	2 33.68	17.16	0 59 28.92	3 39.39	6 21 4.9	22 38.5	64.47	15 58.57
7.0	Do	2 16.52	16.94	1 3 8.31	3 39.61	6 43 43.4	22 31.7	64.50	15 58.30
8.0	Fr	1 59.58	16.71	1 6 47.92	3 39.84	7 6 15.1	22 24.4	64.53	15 58.01
9.0	So	1 42.87	16.47	1 10 27.76	3 40.09	7 28 39.5	22 16.8	64.56	15 57.74
10.0	St	+1 26.40	16.21	1 14 7.85	3 40.34	+ 7 50 56.3	22 8.9	64.60	15 57.47
11.0	Mo	1 10.19	15.94	1 17 48.19	3 40.62	8 13 5.2	22 0.5	64.64	15 57.20
12.0	Di	0 54.25	15.65	1 21 28.81	3 40.90	8 35 5.7	21 51.9	64.69	15 56.94
13.0	Mi	0 38.60	15.35	1 25 9.71	3 41.20	8 56 57.6	21 42.9	64.73	15 56.67
14.0	Do	0 23.25	15.04	1 28 50.91	3 41.51	9 18 40.5	21 33.5	64.78	15 56.41
15.0	Fr	+0 8.21	14.72	1 32 32.42	3 41.84	9 40 14.0	21 23.9	64.83	15 56.15
16.0	So	−0 6.51	14.37	1 36 14.26	3 42.18	+10 1 37.9	21 13.8	64.88	15 55.89
17.0	St	0 20.88	14.01	1 39 56.44	3 42.54	10 22 51.7	21 3.5	64.94	15 55.63
18.0	Mo	0 34.89	13.63	1 43 38.98	3 42.92	10 43 55.2	20 52.9	65.00	15 55.37
19.0	Di	0 48.52	13.24	1 47 21.90	3 43.31	11 4 48.1	20 41.9	65.06	15 55.12
20.0	Mi	1 1.76	12.83	1 51 5.21	3 43.73	11 25 30.0	20 30.5	65.12	15 54.86
21.0	Do	1 14.59	12.40	1 54 48.94	3 44.15	11 46 0.5	20 19.0	65.18	15 54.60
22.0	Fr	−1 26.99	11.95	1 58 33.09	3 44.60	+12 6 19.5	20 7.1	65.24	15 54.34
23.0	So	1 38.94	11.49	2 2 17.69	3 45.07	12 26 26.6	19 54.8	65.30	15 54.09
24.0	St	1 50.43	11.02	2 6 2.76	3 45.54	12 46 21.4	19 42.3	65.37	15 53.83
25.0	Mo	2 1.45	10.52	2 9 48.30	3 46.03	13 6 3.7	19 29.5	65.44	15 53.58
26.0	Di	2 11.97	10.01	2 13 34.33	3 46.54	13 25 33.2	19 16.3	65.51	15 53.32
27.0	Mi	2 21.98	9.50	2 17 20.87	3 47.05	13 44 49.5	19 2.8	65.58	15 53.07
28.0	Do	−2 31.48	8.97	2 21 7.92	3 47.58	+14 3 52.3	18 48.9	65.66	15 52.82
29.0	Fr	2 40.45	8.44	2 24 55.50	3 48.12	14 22 41.2	18 34.8	65.73	15 52.58
30.0	So	2 48.89	7.89	2 28 43.62	3 48.66	14 41 16.0	18 20.4	65.81	15 52.33
Mai 1.0	St	2 56.78	7.34	2 32 32.28	3 49.22	14 59 36.4	18 5.6	65.89	15 52.08
2.0	Mo	3 4.12	6.78	2 36 21.50	3 49.77	15 17 42.0	17 50.4	65.97	15 51.84
3.0	Di	3 10.90		2 40 11.27		15 35 32.4		66.05	15 51.60

Tag	Julian. Tag	0ʰ mittlere Zeit Greenwich: Sternzeit (h m s)	Mittleres Äquinoktium 1921.0: Länge (° ′ ″)	Diff. (′ ″)	Breite (″)	log R	Diff.	Untergang in +50° Breite (h m)	Aufgang 0ʰ Länge (h m)
1921	2422								
März 23	772	0 1 43.51	2 19 11.9	59 26.3	−0.55	9.998 7054	1241	6 17	17 56
24	773	0 5 40.07	3 18 38.2	59 24.3	−0.43	9.998 8295	1250	6 19	17 53
25	774	0 9 36.62	4 18 2.5	59 22.3	−0.29	9.998 9545	1259	6 20	17 51
26	775	0 13 33.17	5 17 24.8	59 20.5	−0.15	9.999 0804	1266	6 22	17 49
27	776	0 17 29.72	6 16 45.3	59 18.7	−0.02	9.999 2070	1271	6 23	17 47
28	777	0 21 26.27	7 16 4.0	59 16.8	+0.09	9.999 3341	1275	6 25	17 45
29	778	0 25 22.83	8 15 20.8	59 15.0	+0.18	9.999 4616	1278	6 26	17 42
30	779	0 29 19.38	9 14 35.8	59 13.3	+0.25	9.999 5894	1280	6 28	17 40
31	780	0 33 15.93	10 13 49.1	59 11.4	+0.30	9.999 7174	1280	6 30	17 38
April 1	781	0 37 12.48	11 13 0.5	59 9.7	+0.33	9.999 8454	1278	6 31	17 36
2	782	0 41 9.03	12 12 10.2	59 7.8	+0.32	9.999 9732	1275	6 33	17 34
3	783	0 45 5.58	13 11 18.0	59 6.0	+0.29	0.000 1007	1272	6 34	17 32
4	784	0 49 2.14	14 10 24.0	59 4.2	+0.23	0.000 2279	1267	6 36	17 30
5	785	0 52 58.69	15 9 28.2	59 2.3	+0.15	0.000 3546	1260	6 37	17 27
6	786	0 56 55.24	16 8 30.5	59 0.3	+0.04	0.000 4806	1252	6 39	17 25
7	787	1 0 51.79	17 7 30.8	58 58.4	−0.09	0.000 6058	1244	6 40	17 23
8	788	1 4 48.35	18 6 29.2	58 56.4	−0.23	0.000 7302	1235	6 42	17 21
9	789	1 8 44.90	19 5 25.6	58 54.3	−0.36	0.000 8537	1226	6 44	17 19
10	790	1 12 41.45	20 4 19.9	58 52.1	−0.50	0.000 9763	1217	6 45	17 17
11	791	1 16 38.00	21 3 12.0	58 49.9	−0.63	0.001 0980	1209	6 47	17 15
12	792	1 20 34.56	22 2 1.9	58 47.7	−0.73	0.001 2189	1200	6 48	17 13
13	793	1 24 31.11	23 0 49.6	58 45.4	−0.81	0.001 3389	1193	6 50	17 10
14	794	1 28 27.66	23 59 35.0	58 43.1	−0.87	0.001 4582	1186	6 51	17 8
15	795	1 32 24.21	24 58 18.1	58 40.9	−0.89	0.001 5768	1181	6 53	17 6
16	796	1 36 20.77	25 56 59.0	58 38.6	−0.88	0.001 6949	1177	6 54	17 4
17	797	1 40 17.32	26 55 37.6	58 36.3	−0.83	0.001 8126	1174	6 56	17 2
18	798	1 44 13.87	27 54 13.9	58 34.2	−0.76	0.001 9300	1172	6 58	17 0
19	799	1 48 10.42	28 52 48.1	58 32.1	−0.66	0.002 0472	1171	6 59	16 58
20	800	1 52 6.98	29 51 20.2	58 30.0	−0.54	0.002 1643	1169	7 1	16 56
21	801	1 56 3.53	30 49 50.2	58 28.1	−0.42	0.002 2812	1168	7 2	16 54
22	802	2 0 0.08	31 48 18.3	58 26.3	−0.28	0.002 3980	1167	7 4	16 52
23	803	2 3 56.64	32 46 44.6	58 24.4	−0.15	0.002 5147	1164	7 5	16 50
24	804	2 7 53.19	33 45 9.0	58 22.7	−0.03	0.002 6311	1161	7 7	16 49
25	805	2 11 49.74	34 43 31.7	58 21.0	+0.07	0.002 7472	1157	7 8	16 47
26	806	2 15 46.30	35 41 52.7	58 19.4	+0.15	0.002 8629	1151	7 10	16 45
27	807	2 19 42.85	36 40 12.1	58 17.8	+0.21	0.002 9780	1144	7 12	16 43
28	808	2 23 39.40	37 38 29.9	58 16.2	+0.24	0.003 0924	1137	7 13	16 41
29	809	2 27 35.96	38 36 46.1	58 14.8	+0.24	0.003 2061	1127	7 15	16 39
30	810	2 31 32.51	39 35 0.9	58 13.2	+0.21	0.003 3188	1117	7 16	16 37
Mai 1	811	2 35 29.07	40 33 14.1	58 11.7	+0.16	0.003 4305	1105	7 18	16 36
2	812	2 39 25.62	41 31 25.8	58 10.3	+0.07	0.003 5410	1092	7 19	16 34
3	813	2 43 22.17	42 29 36.1		−0.03	0.003 6502		7 21	16 32

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1921		m s	s	h m s	m s	° ′ ″	′ ″	″	′ ″
Mai 3.0	Di	−3 10.90	6.21	2 40 11.27	3 50.34	+15 35 32.4	17 35.1	66.05	15 51.60
4.0	Mi	3 17.11	5.65	2 44 1.61	3 50.91	15 53 7.5	17 19.4	66.13	15 51.36
5.0	Do	3 22.76	5.08	2 47 52.52	3 51.48	16 10 26.9	17 3.3	66.21	15 51.13
6.0	Fr	3 27.84	4.51	2 51 44.00	3 52.05	16 27 30.2	16 46.9	66.29	15 50.90
7.0	So	3 32.35	3.94	2 55 36.05	3 52.61	16 44 17.1	16 30.2	66.37	15 50.67
8.0	St	3 36.29	3.37	2 59 28.66	3 53.18	17 0 47.3	16 13.2	66.45	15 50.45
9.0	Mo	−3 39.66	2.80	3 3 21.84	3 53.75	+17 17 0.5	15 55.9	66.53	15 50.24
10.0	Di	3 42.46	2.25	3 7 15.59	3 54.31	17 32 56.4	15 38.3	66.61	15 50.03
11.0	Mi	3 44.71	1.69	3 11 9.90	3 54.87	17 48 34.7	15 20.3	66.69	15 49.82
12.0	Do	3 46.40	1.13	3 15 4.77	3 55.42	18 3 55.0	15 2.1	66.77	15 49.61
13.0	Fr	3 47.53	0.58	3 19 0.19	3 55.98	18 18 57.1	14 43.6	66.86	15 49.41
14.0	So	3 48.11	0.03	3 22 56.17	3 56.52	18 33 40.7	14 24.8	66.94	15 49.21
15.0	St	−3 48.14	0.52	3 26 52.69	3 57.08	+18 48 5.5	14 5.8	67.02	15 49.02
16.0	Mo	3 47.62	1.07	3 30 49.77	3 57.62	19 2 11.3	13 46.4	67.10	15 48.83
17.0	Di	3 46.55	1.61	3 34 47.39	3 58.16	19 15 57.7	13 26.8	67.18	15 48.65
18.0	Mi	3 44.94	2.15	3 38 45.55	3 58.71	19 29 24.5	13 7.0	67.26	15 48.46
19.0	Do	3 42.79	2.69	3 42 44.26	3 59.25	19 42 31.5	12 46.8	67.34	15 48.27
20.0	Fr	3 40.10	3.24	3 46 43.51	3 59.79	19 55 18.3	12 26.4	67.42	15 48.09
21.0	So	−3 36.86	3.77	3 50 43.30	4 0.33	+20 7 44.7	12 5.9	67.49	15 47.91
22.0	St	3 33.09	4.31	3 54 43.63	4 0.86	20 19 50.6	11 45.0	67.57	15 47.73
23.0	Mo	3 28.78	4.83	3 58 44.49	4 1.39	20 31 35.6	11 23.9	67.64	15 47.56
24.0	Di	3 23.95	5.35	4 2 45.88	4 1.90	20 42 59.5	11 2.6	67.71	15 47.39
25.0	Mi	3 18.60	5.86	4 6 47.78	4 2.42	20 54 2.1	10 41.0	67.78	15 47.22
26.0	Do	3 12.74	6.37	4 10 50.20	4 2.93	21 4 43.1	10 19.3	67.85	15 47.05
27.0	Fr	−3 6.37	6.86	4 14 53.13	4 3.42	+21 15 2.4	9 57.4	67.92	15 46.88
28.0	So	2 59.51	7.34	4 18 56.55	4 3.89	21 24 59.8	9 35.1	67.99	15 46.72
29.0	St	2 52.17	7.81	4 23 0.44	4 4.37	21 34 34.9	9 12.8	68.05	15 46.56
30.0	Mo	2 44.36	8.27	4 27 4.81	4 4.83	21 43 47.7	8 50.2	68.12	15 46.41
31.0	Di	2 36.09	8.71	4 31 9.64	4 5.26	21 52 37.9	8 27.4	68.18	15 46.26
Juni 1.0	Mi	2 27.38	9.13	4 35 14.90	4 5.69	22 1 5.3	8 4.4	68.24	15 46.12
2.0	Do	−2 18.25	9.54	4 39 20.59	4 6.09	+22 9 9.7	7 41.3	68.29	15 45.98
3.0	Fr	2 8.71	9.92	4 43 26.68	4 6.48	22 16 51.0	7 18.0	68.34	15 45.84
4.0	So	1 58.79	10.28	4 47 33.16	4 6.84	22 24 9.0	6 54.5	68.39	15 45.71
5.0	St	1 48.51	10.63	4 51 40.00	4 7.18	22 31 3.5	6 30.9	68.44	15 45.58
6.0	Mo	1 37.88	10.94	4 55 47.18	4 7.50	22 37 34.4	6 7.1	68.48	15 45.46
7.0	Di	1 26.94	11.23	4 59 54.68	4 7.78	22 43 41.5	5 43.2	68.52	15 45.34
8.0	Mi	−1 15.71	11.49	5 4 2.46	4 8.05	+22 49 24.7	5 19.2	68.56	15 45.23
9.0	Do	1 4.22	11.73	5 8 10.51	4 8.29	22 54 43.9	4 55.0	68.60	15 45.13
10.0	Fr	0 52.49	11.95	5 12 18.80	4 8.50	22 59 38.9	4 30.8	68.64	15 45.03
11.0	So	0 40.54	12.14	5 16 27.30	4 8.70	23 4 9.7	4 6.4	68.67	15 44.94
12.0	St	0 28.40	12.31	5 20 36.00	4 8.87	23 8 16.1	3 42.0	68.70	15 44.85
13.0	Mo	0 16.09		5 24 44.87		23 11 58.1		68.72	15 44.76

Tag		Julian. Tag	0ʰ mittlere Zeit Greenwich: Sternzeit	Mittleres Äquinoktium 1921.0: Länge	Diff.	Breite	log *R*	Diff.	Untergang in +50° Breite	Aufgang 0ʰ Länge
1921		2422	h m s	° ′ ″	′ ″	″			h m	h m
Mai	3	813	2 43 22.17	42 29 36.1	58 8.8	—0.03	0.003 6502	1078	7 21	16 32
	4	814	2 47 18.73	43 27 44.9	58 7.2	—0.14	0.003 7580	1062	7 23	16 30
	5	815	2 51 15.28	44 25 52.1	58 5.8	—0.27	0.003 8642	1044	7 24	16 29
	6	816	2 55 11.84	45 23 57.9	58 4.2	—0.41	0.003 9686	1027	7 26	16 27
	7	817	2 59 8.39	46 22 2.1	58 2.6	—0.55	0.004 0713	1009	7 27	16 25
	8	818	3 3 4.95	47 20 4.7	58 0.9	—0.69	0.004 1722	989	7 29	16 24
	9	819	3 7 1.50	48 18 5.6	57 59.2	—0.82	0.004 2711	971	7 30	16 22
	10	820	3 10 58.06	49 16 4.8	57 57.5	—0.92	0.004 3682	952	7 31	16 21
	11	821	3 14 54.61	50 14 2.3	57 55.7	—0.97	0.004 4634	935	7 33	16 19
	12	822	3 18 51.17	51 11 58.0	57 53.9	—0.99	0.004 5569	918	7 34	16 18
	13	823	3 22 47.72	52 9 51.9	57 52.0	—1.00	0.004 6487	903	7 36	16 16
	14	824	3 26 44.28	53 7 43.9	57 50.3	—0.97	0.004 7390	888	7 37	16 15
	15	825	3 30 40.83	54 5 34.2	57 48.6	—0.90	0.004 8278	875	7 39	16 13
	16	826	3 34 37.39	55 3 22.8	57 46.8	—0.80	0.004 9153	863	7 40	16 12
	17	827	3 38 33.94	56 1 9.6	57 45.2	—0.69	0.005 0016	852	7 41	16 11
	18	828	3 42 30.50	56 58 54.8	57 43.6	—0.56	0.005 0868	842	7 43	16 9
	19	829	3 46 27.05	57 56 38.4	57 42.1	—0.43	0.005 1710	832	7 44	16 8
	20	830	3 50 23.61	58 54 20.5	57 40.7	—0.29	0.005 2542	822	7 45	16 7
	21	831	3 54 20.16	59 52 1.2	57 39.4	—0.17	0.005 3364	812	7 47	16 6
	22	832	3 58 16.72	60 49 40.6	57 38.1	—0.06	0.005 4176	802	7 48	16 5
	23	833	4 2 13.27	61 47 18.7	57 37.0	+0.02	0.005 4978	791	7 49	16 4
	24	834	4 6 9.83	62 44 55.7	57 35.9	+0.08	0.005 5769	779	7 51	16 2
	25	835	4 10 6.39	63 42 31.6	57 34.8	+0.10	0.005 6548	767	7 52	16 1
	26	836	4 14 2.94	64 40 6.4	57 33.9	+0.11	0.005 7315	753	7 53	16 0
	27	837	4 17 59.50	65 37 40.3	57 33.0	+0.10	0.005 8068	739	7 54	15 59
	28	838	4 21 56.06	66 35 13.3	57 32.1	+0.06	0.005 8807	723	7 55	15 59
	29	839	4 25 52.61	67 32 45.4	57 31.2	—0.01	0.005 9530	706	7 57	15 58
	30	840	4 29 49.17	68 30 16.6	57 30.5	—0.10	0.006 0236	689	7 58	15 57
	31	841	4 33 45.72	69 27 47.1	57 29.7	—0.20	0.006 0925	669	7 59	15 56
Juni	1	842	4 37 42.28	70 25 16.8	57 28.9	—0.32	0.006 1594	648	8 0	15 55
	2	843	4 41 38.84	71 22 45.7	57 28.1	—0.45	0.006 2242	626	8 1	15 55
	3	844	4 45 35.39	72 20 13.8	57 27.4	—0.58	0.006 2868	604	8 2	15 54
	4	845	4 49 31.95	73 17 41.2	57 26.7	—0.71	0.006 3472	580	8 3	15 53
	5	846	4 53 28.51	74 15 7.9	57 25.7	—0.83	0.006 4052	554	8 4	15 53
	6	847	4 57 25.06	75 12 33.6	57 24.9	—0.93	0.006 4606	529	8 5	15 52
	7	848	5 1 21.62	76 9 58.5	57 23.9	—1.00	0.006 5135	504	8 5	15 52
	8	849	5 5 18.18	77 7 22.4	57 23.0	—1.03	0.006 5639	480	8 6	15 51
	9	850	5 9 14.73	78 4 45.4	57 22.0	—1.04	0.006 6119	456	8 7	15 51
	10	851	5 13 11.29	79 2 7.4	57 20.9	—1.01	0.006 6575	434	8 8	15 51
	11	852	5 17 7.85	79 59 28.3	57 19.9	—0.95	0.006 7009	412	8 8	15 51
	12	853	5 21 4.40	80 56 48.2	57 19.0	—0.86	0.006 7421	392	8 9	15 50
	13	854	5 25 0.96	81 54 7.2		—0.74	0.006 7813		8 10	15 50

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1921		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Juni 13.0	Mo	−0 16.09	12.46	5 24 44.87	4 9.02	+23 11 58.1	3 17.4	68.72	15 44.76
14.0	Di	−0 3.63	12.59	5 28 53.89	4 9.14	23 15 15.5	2 52.9	68.74	15 44.68
15.0	Mi	+0 8.96	12.69	5 33 3.03	4 9.25	23 18 8.4	2 28.2	68.76	15 44.60
16.0	Do	0 21.65	12.78	5 37 12.28	4 9.33	23 20 36.6	2 3.5	68.78	15 44.53
17.0	Fr	0 34.43	12.84	5 41 21.61	4 9.40	23 22 40.1	1 38.8	68.79	15 44.46
18.0	So	0 47.27	12.89	5 45 31.01	4 9.45	23 24 18.9	1 14.1	68.80	15 44.39
19.0	St	+1 0.16	12.32	5 49 40.46	4 9.48	+23 25 33.0	0 49.2	68.81	15 44.33
20.0	Mo	1 13.09	12.93	5 53 49.94	4 9.49	23 26 22.2	0 24.4	68.81	15 44.27
21.0	Di	1 26.02	12.91	5 57 59.43	4 9.47	23 26 46.6	0 0.4	68.81	15 44.21
22.0	Mi	1 38.93	12.89	6 2 8.90	4 9.44	23 26 46.2	0 25.2	68.80	15 44.16
23.0	Do	1 51.82	12.83	6 6 18.34	4 9.39	23 26 21.0	0 50.0	68.79	15 44.10
24.0	Fr	2 4.65	12.75	6 10 27.73	4 9.31	23 25 31.0	1 14.8	68.78	15 44.05
25.0	So	+2 17.40	12.66	6 14 37.04	4 9.22	+23 24 16.2	1 39.4	68.77	15 44.01
26.0	St	2 30.06	12.55	6 18 46.26	4 9.10	23 22 36.8	2 4.2	68.76	15 43.97
27.0	Mo	2 42.61	12.40	6 22 55.36	4 8.96	23 20 32.6	2 28.8	68.74	15 43.93
28.0	Di	2 55.01	12.25	6 27 4.32	4 8.80	23 18 3.8	2 53.3	68.71	15 43.90
29.0	Mi	3 7.26	12.06	6 31 13.12	4 8.62	23 15 10.5	3 17.8	68.68	15 43.87
30.0	Do	3 19.32	11.85	6 35 21.74	4 8.41	23 11 52.7	3 42.3	68.65	15 43.85
Juli 1.0	Fr	+3 31.17	11.63	6 39 30.15	4 8.19	+23 8 10.4	4 6.5	68.62	15 43.83
2.0	So	3 42.80	11.38	6 43 38.34	4 7.93	23 4 3.9	4 30.7	68.59	15 43.82
3.0	St	3 54.18	11.09	6 47 46.27	4 7.65	22 59 33.2	4 54.8	68.55	15 43.81
4.0	Mo	4 5.27	10.79	6 51 53.92	4 7.35	22 54 38.4	5 18.7	68.51	15 43.81
5.0	Di	4 16.06	10.47	6 56 1.27	4 7.02	22 49 19.7	5 42.6	68.46	15 43.81
6.0	Mi	4 26.53	10.11	7 0 8.29	4 6.67	22 43 37.1	6 6.2	68.41	15 43.82
7.0	Do	+4 36.64	9.73	7 4 14.96	4 6.29	+22 37 30.9	6 29.7	68.36	15 43.84
8.0	Fr	4 46.37	9.33	7 8 21.25	4 5.88	22 31 1.2	6 53.0	68.31	15 43.86
9.0	So	4 55.70	8.90	7 12 27.13	4 5.46	22 24 8.2	7 16.1	68.25	15 43.89
10.0	St	5 4.60	8.46	7 16 32.59	4 5.02	22 16 52.1	7 39.2	68.19	15 43.92
11.0	Mo	5 13.06	8.01	7 20 37.61	4 4.56	22 9 12.9	8 2.0	68.13	15 43.96
12.0	Di	5 21.07	7.53	7 24 42.17	4 4.09	22 1 10.9	8 24.6	68.07	15 44.00
13.0	Mi	+5 28.60	7.04	7 28 46.26	4 3.60	+21 52 46.3	8 47.1	68.01	15 44.05
14.0	Do	5 35.64	6.55	7 32 49.86	4 3.10	21 43 59.2	9 9.3	67.94	15 44.10
15.0	Fr	5 42.19	6.03	7 36 52.96	4 2.59	21 34 49.9	9 31.3	67.87	15 44.15
16.0	So	5 48.22	5.51	7 40 55.55	4 2.07	21 25 18.6	9 53.2	67.80	15 44.21
17.0	St	5 53.73	4.98	7 44 57.62	4 1.54	21 15 25.4	10 14.8	67.73	15 44.27
18.0	Mo	5 58.71	4.45	7 48 59.16	4 1.00	21 5 10.6	10 36.2	67.66	15 44.33
19.0	Di	+6 3.16	3.91	7 53 0.16	4 0.46	+20 54 34.4	10 57.4	67.58	15 44.39
20.0	Mi	6 7.07	3.35	7 57 0.62	3 59.91	20 43 37.0	11 18.4	67.50	15 44.46
21.0	Do	6 10.42	2.79	8 1 0.53	3 59.35	20 32 18.6	11 39.1	67.42	15 44.54
22.0	Fr	6 13.21	2.24	8 4 59.88	3 58.79	20 20 39.5	11 59.6	67.34	15 44.62
23.0	So	6 15.45	1.68	8 8 58.67	3 58.23	20 8 39.9	12 19.9	67.26	15 44.70
24.0	St	6 17.13		8 12 56.90		19 56 20.0		67.18	15 44.78

Tag	Julian. Tag	Sternzeit	Mittleres Äquinoktium 1921.0 Länge		Breite	log R		Untergang in +50° Breite	Aufgang 0h Länge
1921	2422	h m s	° ′ ″	′ ″	″			h m	h m
Juni 13	854	5 25 0.96	81 54 7.2	57 18.0	−0.74	0.006 7813	374	8 10	15 50
14	855	5 28 57.52	82 51 25.2	57 17.1	−0.62	0.006 8187	357	8 10	15 50
15	856	5 32 54.07	83 48 42.3	57 16.3	−0.50	0.006 8544	340	8 11	15 50
16	857	5 36 50.63	84 45 58.6	57 15.5	−0.37	0.006 8884	324	8 11	15 50
17	858	5 40 47.19	85 43 14.1	57 14.8	−0.24	0.006 9208	310	8 12	15 50
18	859	5 44 43.74	86 40 28.9	57 14.2	−0.13	0.006 9518	295	8 12	15 50
19	860	5 48 40.30	87 37 43.1	57 13.8	−0.04	0.006 9813	281	8 12	15 50
20	861	5 52 36.86	88 34 56.9	57 13.3	+0.03	0.007 0094	266	8 13	15 50
21	862	5 56 33.41	89 32 10.2	57 12.9	+0.07	0.007 0360	251	8 13	15 50
22	863	6 0 29.97	90 29 23.1	57 12.7	+0.09	0.007 0611	236	8 13	15 51
23	864	6 4 26.53	91 26 35.8	57 12.5	+0.09	0.007 0847	220	8 13	15 51
24	865	6 8 23.09	92 23 48.3	57 12.4	+0.06	0.007 1067	204	8 13	15 51
25	866	6 12 19.64	93 21 0.7	57 12.3	−0.00	0.007 1271	186	8 13	15 52
26	867	6 16 16.20	94 18 13.0	57 12.3	−0.08	0.007 1457	168	8 13	15 52
27	868	6 20 12.76	95 15 25.3	57 12.4	−0.18	0.007 1625	149	8 13	15 53
28	869	6 24 9.31	96 12 37.7	57 12.4	−0.29	0.007 1774	129	8 13	15 53
29	870	6 28 5.87	97 9 50.1	57 12.6	−0.42	0.007 1903	107	8 13	15 54
30	871	6 32 2.43	98 7 2.7	57 12.8	−0.54	0.007 2010	85	8 13	15 54
Juli 1	872	6 35 58.98	99 4 15.5	57 12.9	−0.66	0.007 2095	61	8 13	15 55
2	873	6 39 55.54	100 1 28.4	57 13.1	−0.77	0.007 2156	35	8 12	15 56
3	874	6 43 52.10	100 58 41.5	57 13.2	−0.87	0.007 2191	9	8 12	15 56
4	875	6 47 48.65	101 55 54.7	57 13.4	−0.93	0.007 2200	19	8 12	15 57
5	876	6 51 45.21	102 53 8.1	57 13.3	−0.96	0.007 2181	45	8 11	15 58
6	877	6 55 41.77	103 50 21.4	57 13.4	−0.97	0.007 2136	72	8 11	15 59
7	878	6 59 38.32	104 47 34.8	57 13.4	−0.95	0.007 2064	99	8 10	15 59
8	879	7 3 34.88	105 44 48.2	57 13.2	−0.89	0.007 1965	125	8 10	16 0
9	880	7 7 31.44	106 42 1.4	57 13.2	−0.80	0.007 1840	149	8 9	16 1
10	881	7 11 27.99	107 39 14.6	57 13.2	−0.69	0.007 1691	171	8 8	16 2
11	882	7 15 24.55	108 36 27.8	57 13.0	−0.56	0.007 1520	192	8 8	16 3
12	883	7 19 21.11	109 33 40.8	57 13.0	−0.42	0.007 1328	213	8 7	16 4
13	884	7 23 17.66	110 30 53.8	57 13.1	−0.29	0.007 1115	231	8 6	16 5
14	885	7 27 14.22	111 28 6.9	57 13.2	−0.16	0.007 0884	248	8 5	16 6
15	886	7 31 10.77	112 25 20.1	57 13.3	−0.04	0.007 0636	265	8 4	16 7
16	887	7 35 7.33	113 22 33.4	57 13.6	+0.06	0.007 0371	280	8 3	16 9
17	888	7 39 3.89	114 19 47.0	57 13.8	+0.13	0.007 0091	296	8 2	16 10
18	889	7 43 0.44	115 17 0.8	57 14.3	+0.17	0.006 9795	310	8 1	16 11
19	890	7 46 57.00	116 14 15.1	57 14.8	+0.19	0.006 9485	325	8 0	16 12
20	891	7 50 53.55	117 11 29.9	57 15.3	+0.19	0.006 9160	340	7 59	16 13
21	892	7 54 50.11	118 8 45.2	57 15.9	+0.16	0.006 8820	354	7 58	16 15
22	893	7 58 46.66	119 6 1.1	57 16.6	+0.11	0.006 8466	369	7 57	16 16
23	894	8 2 43.22	120 3 17.7	57 17.5	+0.03	0.006 8097	384	7 56	16 17
24	895	8 6 39.78	121 0 35.2		−0.06	0.006 7713		7 55	16 18

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1921		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Juli 24.0	St	+6 17.13	1.10	8 12 56.90	3 57.66	+19 56 20.0	12 39.8	67.18	15 44.78
25.0	Mo	6 18.23	0.53	8 16 54.56	3 57.08	19 43 40.2	12 59.6	67.10	15 44.87
26.0	Di	6 18.76	0.05	8 20 51.64	3 56.51	19 30 40.6	13 19.0	67.02	15 44.96
27.0	Mi	6 18.71	0.62	8 24 48.15	3 55.94	19 17 21.6	13 38.3	66.93	15 45.06
28.0	Do	6 18.09	1.21	8 28 44.09	3 55.35	19 3 43.3	13 57.2	66.85	15 45.16
29.0	Fr	6 16.88	1.78	8 32 39.44	3 54.77	18 49 46.1	14 15.9	66.76	15 45.26
30.0	So	+6 15.10	2.37	8 36 34.21	3 54.18	+18 35 30.2	14 34.3	66.67	15 45.36
31.0	St	6 12.73	2.96	8 40 28.39	3 53.59	18 20 55.9	14 52.3	66.59	15 45.47
Aug. 1.0	Mo	6 9.77	3.56	8 44 21.98	3 53.00	18 6 3.6	15 10.2	66.50	15 45.59
2.0	Di	6 6.21	4.15	8 48 14.98	3 52.41	17 50 53.4	15 27.6	66.41	15 45.71
3.0	Mi	6 2.06	4.75	8 52 7.39	3 51.80	17 35 25.8	15 44.8	66.33	15 45.84
4.0	Do	5 57.31	5.36	8 55 59.19	3 51.19	17 19 41.0	16 1.6	66.24	15 45.98
5.0	Fr	+5 51.95	5.97	8 59 50.38	3 50.59	+17 3 39.4	16 18.1	66.15	15 46.12
6.0	So	5 45.98	6.57	9 3 40.97	3 49.98	16 47 21.3	16 34.4	66.07	15 46.26
7.0	St	5 39.41	7.18	9 7 30.95	3 49.38	16 30 46.9	16 50.3	65.98	15 46.41
8.0	Mo	5 32.23	7.79	9 11 20.33	3 48.77	16 13 56.6	17 5.9	65.89	15 46.56
9.0	Di	5 24.44	8.38	9 15 9.10	3 48.17	15 56 50.7	17 21.2	65.81	15 46.72
10.0	Mi	5 16.06	8.98	9 18 57.27	3 47.58	15 39 29.5	17 36.2	65.73	15 46.88
11.0	Do	+5 7.08	9.56	9 22 44.85	3 46.99	+15 21 53.3	17 50.8	65.64	15 47.05
12.0	Fr	4 57.52	10.14	9 26 31.84	3 46.42	15 4 2.5	18 5.3	65.56	15 47.22
13.0	So	4 47.38	10.70	9 30 18.26	3 45.85	14 45 57.2	18 19.4	65.48	15 47.39
14.0	St	4 36.68	11.26	9 34 4.11	3 45.29	14 27 37.8	18 33.1	65.40	15 47.56
15.0	Mo	4 25.42	11.80	9 37 49.40	3 44.75	14 9 4.7	18 46.6	65.32	15 47.74
16.0	Di	4 13.62	12.33	9 41 34.15	3 44.22	13 50 18.1	18 59.8	65.25	15 47.92
17.0	Mi	+4 1.29	12.85	9 45 18.37	3 43.71	+13 31 18.3	19 12.7	65.17	15 48.10
18.0	Do	3 48.44	13.35	9 49 2.08	3 43.21	13 12 5.6	19 25.3	65.10	15 48.29
19.0	Fr	3 35.09	13.83	9 52 45.29	3 42.71	12 52 40.3	19 37.6	65.02	15 48.48
20.0	So	3 21.26	14.31	9 56 28.00	3 42.24	12 33 2.7	19 49.6	64.95	15 48.67
21.0	St	3 6.95	14.77	10 0 10.24	3 41.79	12 13 13.1	20 1.2	64.88	15 48.85
22.0	Mo	2 52.18	15.21	10 3 52.03	3 41.35	11 53 11.9	20 12.5	64.82	15 49.04
23.0	Di	+2 36.97	15.63	10 7 33.38	3 40.92	+11 32 59.4	20 23.7	64.75	15 49.24
24.0	Mi	2 21.34	16.04	10 11 14.30	3 40.51	11 12 35.7	20 34.4	64.68	15 49.44
25.0	Do	2 5.30	16.44	10 14 54.81	3 40.11	10 52 1.3	20 44.8	64.62	15 49.64
26.0	Fr	1 48.86	16.82	10 18 34.92	3 39.74	10 31 16.5	20 54.9	64.56	15 49.85
27.0	So	1 32.04	17.18	10 22 14.66	3 39.37	10 10 21.6	21 4.7	64.50	15 50.05
28.0	St	1 14.86	17.52	10 25 54.03	3 39.03	9 49 16.9	21 14.2	64.45	15 50.26
29.0	Mo	+0 57.34	17.86	10 29 33.06	3 38.69	+ 9 28 2.7	21 23.3	64.40	15 50.47
30.0	Di	0 39.48	18.19	10 33 11.75	3 38.37	9 6 39.4	21 32.1	64.35	15 50.69
31.0	Mi	0 21.29	18.49	10 36 50.12	3 38.06	8 45 7.3	21 40.6	64.30	15 50.91
Sept. 1.0	Do	+0 2.80	18.79	10 40 28.18	3 37.76	8 23 26.7	21 48.6	64.26	15 51.13
2.0	Fr	−0 15.99	19.08	10 44 5.94	3 37.47	8 1 38.1	21 56.4	64.21	15 51.36
3.0	So	0 35.07		10 47 43.41		7 39 41.7		64.17	15 51.60

Tag		Julian. Tag	0h mittlere Zeit Greenwich: Sternzeit	Mittleres Äquinoktium 1921.0: Länge		Breite	log R		Untergang in +50° Breite	Aufgang 0h Länge
1921		2422	h m s	° ′ ″	′ ″	″			h m	h m
Juli	24	895	8 6 39.78	121 0 35.2	57 18.3	−0.06	0.006 7713	400	7 55	16 18
	25	896	8 10 36.33	121 57 53.5	57 19.2	−0.16	0.006 7313	417	7 53	16 20
	26	897	8 14 32.89	122 55 12.7	57 20.1	−0.28	0.006 6896	433	7 52	16 21
	27	898	8 18 29.44	123 52 32.8	57 21.2	−0.40	0.006 6463	452	7 51	16 22
	28	899	8 22 26.00	124 49 54.0	57 22.2	−0.51	0.006 6011	472	7 49	16 24
	29	900	8 26 22.55	125 47 16.2	57 23.4	−0.62	0.006 5539	492	7 48	16 25
	30	901	8 30 19.11	126 44 39.6	57 24.4	−0.72	0.006 5047	513	7 46	16 27
	31	902	8 34 15.66	127 42 4.0	57 25.6	−0.79	0.006 4534	537	7 45	16 28
Aug.	1	903	8 38 12.22	128 39 29.6	57 26.6	−0.82	0.006 3997	561	7 43	16 29
	2	904	8 42 8.77	129 36 56.2	57 27.6	−0.82	0.006 3436	585	7 42	16 31
	3	905	8 46 5.33	130 34 23.8	57 28.7	−0.80	0.006 2851	611	7 40	16 32
	4	906	8 50 1.88	131 31 52.5	57 29.6	−0.75	0.006 2240	635	7 39	16 34
	5	907	8 53 58.44	132 29 22.1	57 30.4	−0.66	0.006 1605	659	7 37	16 35
	6	908	8 57 54.99	133 26 52.5	57 31.3	−0.54	0.006 0946	682	7 35	16 37
	7	909	9 1 51.55	134 24 23.8	57 32.1	−0.41	0.006 0264	704	7 34	16 38
	8	910	9 5 48.10	135 21 55.9	57 32.9	−0.27	0.005 9560	724	7 32	16 40
	9	911	9 9 44.65	136 19 28.8	57 33.8	−0.13	0.005 8836	742	7 30	16 41
	10	912	9 13 41.21	137 17 2.6	57 34.6	0.00	0.005 8094	759	7 29	16 42
	11	913	9 17 37.76	138 14 37.2	57 35.5	+0.12	0.005 7335	775	7 27	16 44
	12	914	9 21 34.32	139 12 12.7	57 36.5	+0.23	0.005 6560	789	7 25	16 45
	13	915	9 25 30.87	140 9 49.2	57 37.5	+0.31	0.005 5771	801	7 23	16 47
	14	916	9 29 27.42	141 7 26.7	57 38.5	+0.36	0.005 4970	814	7 21	16 48
	15	917	9 33 23.98	142 5 5.2	57 39.7	+0.40	0.005 4156	826	7 20	16 50
	16	918	9 37 20.53	143 2 44.9	57 40.9	+0.40	0.005 3330	836	7 18	16 51
	17	919	9 41 17.09	144 0 25.8	57 42.2	+0.37	0.005 2494	847	7 16	16 53
	18	920	9 45 13.64	144 58 8.0	57 43.5	+0.33	0.005 1647	857	7 14	16 54
	19	921	9 49 10.19	145 55 51.5	57 44.9	+0.25	0.005 0790	866	7 12	16 56
	20	922	9 53 6.75	146 53 36.4	57 46.5	+0.15	0.004 9924	876	7 10	16 57
	21	923	9 57 3.30	147 51 22.9	57 48.0	+0.05	0.004 9048	885	7 8	16 59
	22	924	10 0 59.85	148 49 10.9	57 49.6	−0.06	0.004 8163	896	7 6	17 0
	23	925	10 4 56.41	149 47 0.5	57 51.3	−0.18	0.004 7267	906	7 4	17 2
	24	926	10 8 52.96	150 44 51.8	57 53.1	−0.30	0.004 6361	918	7 2	17 3
	25	927	10 12 49.51	151 42 44.9	57 54.9	−0.42	0.004 5443	930	7 0	17 5
	26	928	10 16 46.06	152 40 39.8	57 56.8	−0.51	0.004 4513	943	6 58	17 6
	27	929	10 20 42.62	153 38 36.6	57 58.6	−0.58	0.004 3570	958	6 56	17 8
	28	930	10 24 39.17	154 36 35.2	58 0.5	−0.62	0.004 2612	973	6 54	17 9
	29	931	10 28 35.72	155 34 35.7	58 2.3	−0.63	0.004 1639	989	6 52	17 11
	30	932	10 32 32.28	156 32 38.0	58 4.2	−0.60	0.004 0650	1007	6 50	17 12
	31	933	10 36 28.83	157 30 42.2	58 5.9	−0.55	0.003 9643	1025	6 47	17 14
Sept.	1	934	10 40 25.38	158 28 48.1	58 7.7	−0.46	0.003 8618	1044	6 45	17 15
	2	935	10 44 21.93	159 26 55.8	58 9.4	−0.34	0.003 7574	1062	6 43	17 17
	3	936	10 48 18.48	160 25 5.2		−0.21	0.003 6512		6 41	17 18

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1921		m s	s	h m s	m s	° ' "	' "	s	' "
Sept. 3.0	So	— 0 35.07	19.35	10 47 43.41	3 37.20	+7 39 41.7	22 3.8	64.17	15 51.60
4.0	St	0 54.42	19.61	10 51 20.61	3 36.94	7 17 37.9	22 10.9	64.13	15 51.84
5.0	Mo	1 14.03	19.86	10 54 57.55	3 36.70	6 55 27.0	22 17.6	64.10	15 52.08
6.0	Di	1 33.89	20.09	10 58 34.25	3 36.46	6 33 9.4	22 24.0	64.06	15 52.32
7.0	Mi	1 53.98	20.30	11 2 10.71	3 36.25	6 10 45.4	22 30.0	64.03	15 52.57
8.0	Do	2 14.28	20.50	11 5 46.96	3 36.05	5 48 15.4	22 35.8	64.00	15 52.81
9.0	Fr	— 2 34.78	20.68	11 9 23.01	3 35.88	+5 25 39.6	22 41.2	63.98	15 53.06
10.0	So	2 55.46	20.83	11 12 58.89	3 35.72	5 2 58.4	22 46.2	63.96	15 53.31
11.0	St	3 16.29	20.97	11 16 34.61	3 35.58	4 40 12.2	22 51.0	63.94	15 53.57
12.0	Mo	3 37.26	21.08	11 20 10.19	3 35.47	4 17 21.2	22 55.5	63.92	15 53.83
13.0	Di	3 58.34	21.17	11 23 45.66	3 35.38	3 54 25.7	22 59.6	63.91	15 54.08
14.0	Mi	4 19.51	21.25	11 27 21.04	3 35.31	3 31 26.1	23 3.5	63.90	15 54.34
15.0	Do	— 4 40.76	21.29	11 30 56.35	3 35.26	+3 8 22.6	23 6.9	63.89	15 54.60
16.0	Fr	5 2.05	21.32	11 34 31.61	3 35.23	2 45 15.7	23 10.1	63.88	15 54.86
17.0	So	5 23.37	21.32	11 38 6.84	3 35.23	2 22 5.6	23 13.0	63.88	15 55.12
18.0	St	5 44.69	21.30	11 41 42.07	3 35.25	1 58 52.6	23 15.5	63.88	15 55.38
19.0	Mo	6 5.99	21.26	11 45 17.32	3 35.30	1 35 37.1	23 17.7	63.89	15 55.65
20.0	Di	6 27.25	21.19	11 48 52.62	3 35.36	1 12 19.4	23 19.6	63.90	15 55.91
21.0	Mi	— 6 48.44	21.09	11 52 27.98	3 35.46	+0 48 59.8	23 21.2	63.91	15 56.17
22.0	Do	7 9.53	20.98	11 56 3.44	3 35.57	0 25 38.6	23 22.5	63.92	15 56.43
23.0	Fr	7 30.51	20.84	11 59 39.01	3 35.71	+0 2 16.1	23 23.3	63.93	15 56.69
24.0	So	7 51.35	20.68	12 3 14.72	3 35.87	—0 21 7.2	23 23.9	63.95	15 56.95
25.0	St	8 12.03	20.51	12 6 50.59	3 36.05	0 44 31.1	23 24.2	63.97	15 57.22
26.0	Mo	8 32.54	20.31	12 10 26.64	3 36.25	1 7 55.3	23 24.0	64.00	15 57.48
27.0	Di	— 8 52.85	20.08	12 14 2.89	3 36.46	—1 31 19.3	23 23.6	64.03	15 57.75
28.0	Mi	9 12.93	19.85	12 17 39.35	3 36.70	1 54 42.9	23 22.7	64.06	15 58.02
29.0	Do	9 32.78	19.59	12 21 16.05	3 36.96	2 18 5.6	23 21.4	64.09	15 58.30
30.0	Fr	9 52.37	19.33	12 24 53.01	3 37.22	2 41 27.0	23 19.9	64.13	15 58.57
Okt. 1.0	So	10 11.70	19.05	12 28 30.23	3 37.51	3 4 46.9	23 18.0	64.17	15 58.84
2.0	St	10 30.75	18.74	12 32 7.74	3 37.81	3 28 4.9	23 15.6	64.21	15 59.11
3.0	Mo	—10 49.49	18.43	12 35 45.55	3 38.12	—3 51 20.5	23 12.8	64.26	15 59.39
4.0	Di	11 7.92	18.10	12 39 23.67	3 38.45	4 14 33.3	23 9.8	64.31	15 59.67
5.0	Mi	11 26.02	17.75	12 43 2.12	3 38.80	4 37 43.1	23 6.3	64.37	15 59.95
6.0	Do	11 43.77	17.38	12 46 40.92	3 39.17	5 0 49.4	23 2.5	64.42	16 0.23
7.0	Fr	12 1.15	17.00	12 50 20.09	3 39.56	5 23 51.9	22 58.2	64.48	16 0.51
8.0	So	12 18.15	16.59	12 53 59.65	3 39.96	5 46 50.1	22 53.7	64.54	16 0.80
9.0	St	—12 34.74	16.16	12 57 39.61	3 40.39	—6 9 43.8	22 48.8	64.60	16 1.08
10.0	Mo	12 50.90	15.72	13 1 20.00	3 40.83	6 32 32.6	22 43.5	64.67	16 1.36
11.0	Di	13 6.62	15.26	13 5 0.83	3 41.30	6 55 16.1	22 37.8	64.74	16 1.64
12.0	Mi	13 21.88	14.76	13 8 42.13	3 41.79	7 17 53.9	22 31.8	64.81	16 1.92
13.0	Do	13 36.64	14.26	13 12 23.92	3 42.29	7 40 25.7	22 25.4	64.89	16 2.20
14.0	Fr	13 50.90		13 16 6.21		8 2 51.1		64.97	16 2.48

Tag		Julian. Tag	0h mittlere Zeit Greenwich: Sternzeit (h m s)	Mittleres Äquinoktium 1921.0: Länge (° ′ ″)	Diff. (′ ″)	Breite (″)	log R	Diff.	Untergang in +50° Breite (h m)	Aufgang in 0h Länge (h m)
1921		2422								
Sept.	3	936	10 48 18.48	160 25 5.2	58 10.9	−0.21	0.003 6512	1079	6 41	17 18
	4	937	10 52 15.04	161 23 16.1	58 12.5	−0.07	0.003 5433	1096	6 39	17 20
	5	938	10 56 11.59	162 21 28.6	58 14.0	+0.07	0.003 4337	1111	6 37	17 21
	6	939	11 0 8.14	163 19 42.6	58 15.5	+0.22	0.003 3226	1124	6 35	17 23
	7	940	11 4 4.69	164 17 58.1	58 17.1	+0.36	0.003 2102	1136	6 33	17 24
	8	941	11 8 1.25	165 16 15.2	58 18.5	+0.47	0.003 0966	1146	6 30	17 26
	9	942	11 11 57.80	166 14 33.7	58 20.0	+0.56	0.002 9820	1155	6 28	17 27
	10	943	11 15 54.35	167 12 53.7	58 21.7	+0.62	0.002 8665	1162	6 26	17 29
	11	944	11 19 50.90	168 11 15.4	58 23.2	+0.66	0.002 7503	1168	6 24	17 30
	12	945	11 23 47.45	169 9 38.6	58 24.9	+0.66	0.002 6335	1174	6 22	17 32
	13	946	11 27 44.01	170 8 3.5	58 26.6	+0.65	0.002 5161	1177	6 19	17 33
	14	947	11 31 40.56	171 6 30.1	58 28.3	+0.60	0.002 3984	1180	6 17	17 35
	15	948	11 35 37.11	172 4 58.4	58 30.1	+0.53	0.002 2804	1183	6 15	17 36
	16	949	11 39 33.66	173 3 28.5	58 32.0	+0.44	0.002 1621	1184	6 13	17 38
	17	950	11 43 30.21	174 2 0.5	58 34.0	+0.33	0.002 0437	1186	6 11	17 39
	18	951	11 47 26.76	175 0 34.5	58 35.9	+0.21	0.001 9251	1187	6 8	17 41
	19	952	11 51 23.32	175 59 10.4	58 38.0	+0.09	0.001 8064	1187	6 6	17 42
	20	953	11 55 19.87	176 57 48.4	58 40.1	−0.03	0.001 6877	1188	6 4	17 44
	21	954	11 59 16.42	177 56 28.5	58 42.3	−0.15	0.001 5689	1189	6 2	17 45
	22	955	12 3 12.97	178 55 10.8	58 44.5	−0.25	0.001 4500	1191	6 0	17 47
	23	956	12 7 9.52	179 53 55.3	58 46.8	−0.33	0.001 3309	1194	5 57	17 48
	24	957	12 11 6.08	180 52 42.1	58 49.0	−0.37	0.001 2115	1198	5 55	17 50
	25	958	12 15 2.63	181 51 31.1	58 51.4	−0.39	0.001 0917	1203	5 53	17 51
	26	959	12 18 59.18	182 50 22.5	58 53.7	−0.38	0.000 9714	1208	5 51	17 53
	27	960	12 22 55.73	183 49 16.2	58 55.9	−0.33	0.000 8506	1216	5 49	17 54
	28	961	12 26 52.28	184 48 12.1	58 58.2	−0.26	0.000 7290	1223	5 46	17 56
	29	962	12 30 48.83	185 47 10.3	59 0.4	−0.15	0.000 6067	1231	5 44	17 57
	30	963	12 34 45.38	186 46 10.7	59 2.4	−0.02	0.000 4836	1240	5 42	17 59
Okt.	1	964	12 38 41.94	187 45 13.1	59 4.5	+0.12	0.000 3596	1248	5 40	18 0
	2	965	12 42 38.49	188 44 17.6	59 6.5	+0.27	0.000 2348	1257	5 38	18 2
	3	966	12 46 35.04	189 43 24.1	59 8.4	+0.42	0.000 1091	1263	5 35	18 3
	4	967	12 50 31.59	190 42 32.5	59 10.2	+0.55	9.999 9828	1269	5 33	18 5
	5	968	12 54 28.14	191 41 42.7	59 12.0	+0.67	9.999 8559	1273	5 31	18 7
	6	969	12 58 24.70	192 40 54.7	59 13.8	+0.77	9.999 7286	1275	5 29	18 8
	7	970	13 2 21.25	193 40 8.5	59 15.6	+0.84	9.999 6011	1276	5 27	18 10
	8	971	13 6 17.80	194 39 24.1	59 17.4	+0.89	9.999 4735	1276	5 25	18 11
	9	972	13 10 14.35	195 38 41.5	59 19.1	+0.90	9.999 3459	1273	5 23	18 13
	10	973	13 14 10.90	196 38 0.6	59 21.0	+0.89	9.999 2186	1270	5 21	18 14
	11	974	13 18 7.46	197 37 21.6	59 22.8	+0.86	9.999 0916	1265	5 18	18 16
	12	975	13 22 4.01	198 36 44.4	59 24.6	+0.79	9.998 9651	1260	5 16	18 18
	13	976	13 26 0.56	199 36 9.0	59 26.4	+0.70	9.998 8391	1253	5 14	18 19
	14	977	13 29 57.11	200 35 35.4		+0.60	9.998 7138		5 12	18 21

Mittlere Zeit Greenwich		Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1921			m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Okt.	14.0	Fr	−13 50.90	13.74	13 16 6.21	3 42.82	− 8 2 51.1	22 18.6	64.97	16 2.48
	15.0	So	14 4.64	13.18	13 19 49.03	3 43.37	8 25 9.7	22 11.5	65.05	16 2.75
	16.0	St	14 17.82	12.61	13 23 32.40	3 43.94	8 47 21.2	22 4.0	65.13	16 3.03
	17.0	Mo	14 30.43	12.02	13 27 16.34	3 44.53	9 9 25.2	21 56.2	65.21	16 3.30
	18.0	Di	14 42.45	11.41	13 31 0.87	3 45.14	9 31 21.4	21 47.9	65.30	16 3.57
	19.0	Mi	14 53.86	10.78	13 34 46.01	3 45.78	9 53 9.3	21 39.2	65.39	16 3.84
	20.0	Do	−15 4.64	10.12	13 38 31.79	3 46.43	−10 14 48.5	21 30.3	65.48	16 4.10
	21.0	Fr	15 14.76	9.45	13 42 18.22	3 47.10	10 36 18.8	21 20.9	65.57	16 4.36
	22.0	So	15 24.21	8.77	13 46 5.32	3 47.79	10 57 39.7	21 11.2	65.67	16 4.63
	23.0	St	15 32.98	8.06	13 49 53.11	3 48.50	11 18 50.9	21 1.0	65.77	16 4.89
	24.0	Mo	15 41.04	7.33	13 53 41.61	3 49.22	11 39 51.9	20 50.5	65.87	16 5.14
	25.0	Di	15 48.37	6.60	13 57 30.83	3 49.95	12 0 42.4	20 39.5	65.97	16 5.40
	26.0	Mi	−15 54.97	5.85	14 1 20.78	3 50.70	−12 21 21.9	20 28.2	66.08	16 5.65
	27.0	Do	16 0.82	5.10	14 5 11.48	3 51.45	12 41 50.1	20 16.4	66.19	16 5.91
	28.0	Fr	16 5.92	4.34	14 9 2.93	3 52.22	13 2 6.5	20 4.1	66.29	16 6.16
	29.0	So	16 10.26	3.56	14 12 55.15	3 52.99	13 22 10.6	19 51.6	66.40	16 6.41
	30.0	St	16 13.82	2.78	14 16 48.14	3 53.77	13 42 2.2	19 38.6	66.51	16 6.67
	31.0	Mo	16 16.60	2.00	14 20 41.91	3 54.56	14 1 40.8	19 25.1	66.62	16 6.92
Nov.	1.0	Di	−16 18.60	1.21	14 24 36.47	3 55.34	−14 21 5.9	19 11.2	66.74	16 7.17
	2.0	Mi	16 19.81	0.41	14 28 31.81	3 56.14	14 40 17.1	18 57.0	66.85	16 7.42
	3.0	Do	16 20.22	0.38	14 32 27.95	3 56.94	14 59 14.1	18 42.2	66.96	16 7.68
	4.0	Fr	16 19.84	1.19	14 36 24.89	3 57.74	15 17 56.3	18 27.1	67.08	16 7.92
	5.0	So	16 18.65	2.00	14 40 22.63	3 58.56	15 36 23.4	18 11.6	67.20	16 8.17
	6.0	St	16 16.65	2.82	14 44 21.19	3 59.37	15 54 35.0	17 55.6	67.31	16 8.42
	7.0	Mo	−16 13.83	3.63	14 48 20.56	4 0.19	−16 12 30.6	17 39.3	67.43	16 8.66
	8.0	Di	16 10.20	4.46	14 52 20.75	4 1.01	16 30 9.9	17 22.5	67.55	16 8.90
	9.0	Mi	16 5.74	5.29	14 56 21.76	4 1.84	16 47 32.4	17 5.4	67.67	16 9.14
	10.0	Do	16 0.45	6.12	15 0 23.60	4 2.68	17 4 37.8	16 47.8	67.79	16 9.37
	11.0	Fr	15 54.33	6.95	15 4 26.28	4 3.51	17 21 25.6	16 29.9	67.91	16 9.61
	12.0	So	15 47.38	7.79	15 8 29.79	4 4.34	17 37 55.5	16 11.6	68.03	16 9.83
	13.0	St	−15 39.59	8.63	15 12 34.13	4 5.19	−17 54 7.1	15 52.9	68.15	16 10.05
	14.0	Mo	15 30.96	9.47	15 16 39.32	4 6.03	18 10 0.0	15 33.7	68.26	16 10.27
	15.0	Di	15 21.49	10.32	15 20 45.35	4 6.87	18 25 33.7	15 14.3	68.38	16 10.48
	16.0	Mi	15 11.17	11.16	15 24 52.22	4 7.71	18 40 48.0	14 54.4	68.50	16 10.69
	17.0	Do	15 0.01	12.00	15 28 59.93	4 8.56	18 55 42.4	14 34.2	68.62	16 10.90
	18.0	Fr	14 48.01	12.85	15 33 8.49	4 9.40	19 10 16.6	14 13.6	68.74	16 11.10
	19.0	So	−14 35.16	13.69	15 37 17.89	4 10.24	−19 24 30.2	13 52.6	68.85	16 11.30
	20.0	St	14 21.47	14.52	15 41 28.13	4 11.08	19 38 22.8	13 31.3	68.96	16 11.49
	21.0	Mo	14 6.95	15.34	15 45 39.21	4 11.90	19 51 54.1	13 9.6	69.08	16 11.68
	22.0	Di	13 51.61	16.16	15 49 51.11	4 12.72	20 5 3.7	12 47.5	69.19	16 11.86
	23.0	Mi	13 35.45	16.97	15 54 3.83	4 13.52	20 17 51.2	12 25.1	69.30	16 12.04
	24.0	Do	13 18.48		15 58 17.35		20 30 16.3		69.41	16 12.22

Tag	Julian. Tag	0ʰ mittlere Zeit Greenwich: Sternzeit	Mittleres Äquinoktium 1921.0: Länge	Diff.	Breite	log *R*	Diff.	Untergang in +50° Breite	Aufgang in 0ʰ Länge
1921	242	h m s	° ′ ″	′ ″	″			h m	h m
Okt. 14	2977	13 29 57.11	200 35 35.4	59 28.4	+0.60	9.998 7138	1245	5 12	18 21
15	2978	13 33 53.67	201 35 3.8	59 30.3	+0.48	9.998 5893	1236	5 10	18 22
16	2979	13 37 50.22	202 34 34.1	59 32.3	+0.36	9.998 4657	1227	5 8	18 24
17	2980	13 41 46.77	203 34 6.4	59 34.3	+0.23	9.998 3430	1216	5 6	18 26
18	2981	13 45 43.32	204 33 40.7	59 36.5	+0.11	9.998 2214	1206	5 4	18 27
19	2982	13 49 39.88	205 33 17.2	59 38.6	0.00	9.998 1008	1195	5 2	18 29
20	2983	13 53 36.43	206 32 55.8	59 40.8	−0.08	9.997 9813	1186	5 0	18 30
21	2984	13 57 32.98	207 32 36.6	59 43.0	−0.14	9.997 8627	1177	4 58	18 32
22	2985	14 1 29.53	208 32 19.6	59 45.3	−0.18	9.997 7450	1169	4 56	18 34
23	2986	14 5 26.09	209 32 4.9	59 47.6	−0.17	9.997 6281	1160	4 54	18 35
24	2987	14 9 22.64	210 31 52.5	59 49.9	−0.13	9.997 5121	1154	4 52	18 37
25	2988	14 13 19.19	211 31 42.4	59 52.1	−0.07	9.997 3967	1149	4 51	18 39
26	2989	14 17 15.75	212 31 34.5	59 54.3	+0.02	9.997 2818	1146	4 49	18 40
27	2990	14 21 12.30	213 31 28.8	59 56.5	+0.14	9.997 1672	1141	4 47	18 42
28	2991	14 25 8.85	214 31 25.3	59 58.6	+0.29	9.997 0531	1138	4 45	18 44
29	2992	14 29 5.41	215 31 23.9	60 0.6	+0.44	9.996 9393	1136	4 43	18 45
30	2993	14 33 1.96	216 31 24.5	60 2.5	+0.58	9.996 8257	1134	4 42	18 47
31	2994	14 36 58.52	217 31 27.0	60 4.4	+0.72	9.996 7123	1131	4 40	18 49
Nov. 1	2995	14 40 55.07	218 31 31.4	60 6.1	+0.85	9.996 5992	1126	4 38	18 50
2	2996	14 44 51.62	219 31 37.5	60 7.8	+0.95	9.996 4866	1122	4 36	18 52
3	2997	14 48 48.18	220 31 45.3	60 9.4	+1.03	9.996 3744	1116	4 35	18 54
4	2998	14 52 44.73	221 31 54.7	60 11.0	+1.08	9.996 2628	1108	4 33	18 55
5	2999	14 56 41.28	222 32 5.7	60 12.6	+1.10	9.996 1520	1099	4 31	18 57
6	3000	15 0 37.84	223 32 18.3	60 14.0	+1.09	9.996 0421	1088	4 30	18 59
7	3001	15 4 34.39	224 32 32.3	60 15.6	+1.06	9.995 9333	1077	4 28	19 0
8	3002	15 8 30.95	225 32 47.9	60 17.1	+1.00	9.995 8256	1064	4 27	19 2
9	3003	15 12 27.50	226 33 5.0	60 18.5	+0.92	9.995 7192	1050	4 25	19 4
10	3004	15 16 24.06	227 33 23.5	60 20.0	+0.82	9.995 6142	1035	4 24	19 5
11	3005	15 20 20.61	228 33 43.5	60 21.4	+0.71	9.995 5107	1017	4 22	19 7
12	3006	15 24 17.17	229 34 4.9	60 23.0	+0.59	9.995 4090	999	4 21	19 9
13	3007	15 28 13.72	230 34 27.9	60 24.4	+0.47	9.995 3091	981	4 19	19 10
14	3008	15 32 10.28	231 34 52.3	60 26.0	+0.34	9.995 2110	960	4 18	19 12
15	3009	15 36 6.83	232 35 18.3	60 27.6	+0.22	9.995 1150	939	4 17	19 14
16	3010	15 40 3.39	233 35 45.9	60 29.2	+0.13	9.995 0211	919	4 16	19 15
17	3011	15 43 59.94	234 36 15.1	60 30.8	+0.06	9.994 9292	898	4 14	19 17
18	3012	15 47 56.50	235 36 45.9	60 32.6	+0.02	9.994 8394	877	4 13	19 18
19	3013	15 51 53.05	236 37 18.5	60 34.3	+0.01	9.994 7517	858	4 12	19 20
20	3014	15 55 49.61	237 37 52.8	60 36.1	+0.02	9.994 6659	839	4 11	19 21
21	3015	15 59 46.17	238 38 28.9	60 37.8	+0.08	9.994 5820	821	4 10	19 23
22	3016	16 3 42.72	239 39 6.7	60 39.5	+0.17	9.994 4999	805	4 9	19 25
23	3017	16 7 39.28	240 39 46.2	60 41.2	+0.28	9.994 4194	790	4 8	19 26
24	3018	16 11 35.83	241 40 27.4		+0.40	9.994 3404		4 7	19 28

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs Dauer St.-Zt.	Halbmesser
1921		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Nov. 24.0	Do	−13 18.48	17.76	15 58 17.35	4 14.32	−20 30 16.3	12 2.4	69.41	16 12.22
25.0	Fr	13 0.72	18.54	16 2 31.67	4 15.09	20 42 18.7	11 39.3	69.51	16 12.39
26.0	So	12 42.18	19.28	16 6 46.76	4 15.84	20 53 58.0	11 15.8	69.61	16 12.56
27.0	St	12 22.90	20.02	16 11 2.60	4 16.57	21 5 13.8	10 52.1	69.71	16 12.73
28.0	Mo	12 2.88	20.73	16 15 19.17	4 17.29	21 16 5.9	10 27.9	69.81	16 12.90
29.0	Di	11 42.15	21.42	16 19 36.46	4 17.98	21 26 33.8	10 3.6	69.90	16 13.06
30.0	Mi	−11 20.73	22.09	16 23 54.44	4 18.65	−21 36 37.4	9 38.9	69.99	16 13.21
Dez. 1.0	Do	10 58.64	22.73	16 28 13.09	4 19.29	21 46 16.3	9 13.9	70.08	16 13.37
2.0	Fr	10 35.91	23.34	16 32 32.38	4 19.90	21 55 30.2	8 48.5	70.17	16 13.53
3.0	So	10 12.57	23.94	16 36 52.28	4 20.49	22 4 18.7	8 23.0	70.26	16 13.68
4.0	St	9 48.63	24.50	16 41 12.77	4 21.06	22 12 41.7	7 57.2	70.34	16 13.83
5.0	Mo	9 24.13	25.04	16 45 33.83	4 21.59	22 20 38.9	7 31.1	70.42	16 13.97
6.0	Di	− 8 59.09	25.55	16 49 55.42	4 22.11	−22 28 10.0	7 4.8	70.49	16 14.11
7.0	Mi	8 33.54	26.04	16 54 17.53	4 22.60	22 35 14.8	6 38.2	70.56	16 14.24
8.0	Do	8 7.50	26.50	16 58 40.13	4 23.05	22 41 53.0	6 11.5	70.63	16 14.37
9.0	Fr	7 41.00	26.92	17 3 3.18	4 23.48	22 48 4.5	5 44.6	70.69	16 14.50
10.0	So	7 14.08	27.33	17 7 26.66	4 23.88	22 53 49.1	5 17.4	70.75	16 14.62
11.0	St	6 46.75	27.70	17 11 50.54	4 24.26	22 59 6.5	4 50.2	70.80	16 14.74
12.0	Mo	− 6 19.05	28.04	17 16 14.80	4 24.60	−23 3 56.7	4 22.7	70.85	16 14.88
13.0	Di	5 51.01	28.36	17 20 39.40	4 24.92	23 8 19.4	3 55.0	70.90	16 14.96
14.0	Mi	5 22.65	28.66	17 25 4.32	4 25.22	23 12 14.4	3 27.3	70.94	16 15.06
15.0	Do	4 53.99	28.93	17 29 29.54	4 25.48	23 15 41.7	2 59.5	70.98	16 15.15
16.0	Fr	4 25.06	29.16	17 33 55.02	4 25.71	23 18 41.2	2 31.5	71.01	16 15.23
17.0	So	3 55.90	29.37	17 38 20.73	4 25.93	23 21 12.7	2 3.5	71.04	16 15.31
18.0	St	− 3 26.53	29.55	17 42 46.66	4 26.11	−23 23 16.2	1 35.3	71.06	16 15.39
19.0	Mo	2 56.98	29.70	17 47 12.77	4 26.26	23 24 51.5	1 7.1	71.08	16 15.46
20.0	Di	2 27.28	29.82	17 51 39.03	4 26.37	23 25 58.6	0 38.9	71.10	16 15.52
21.0	Mi	1 57.46	29.90	17 56 5.40	4 26.46	23 26 37.5	0 10.6	71.11	16 15.58
22.0	Do	1 27.56	29.95	18 0 31.86	4 26.51	23 26 48.1	0 17.7	71.12	16 15.63
23.0	Fr	0 57.61	29.96	18 4 58.37	4 26.52	23 26 30.4	0 45.9	71.12	16 15.67
24.0	So	− 0 27.65	29.94	18 9 24.89	4 26.50	−23 25 44.5	1 14.2	71.11	16 15.72
25.0	St	+ 0 2.29	29.88	18 13 51.39	4 26.43	23 24 30.3	1 42.4	71.10	16 15.76
26.0	Mo	0 32.17	29.78	18 18 17.82	4 26.34	23 22 47.9	2 10.6	71.09	16 15.79
27.0	Di	1 1.95	29.64	18 22 44.16	4 26.20	23 20 37.3	2 38.8	71.08	16 15.82
28.0	Mi	1 31.59	29.47	18 27 10.36	4 26.03	23 17 58.5	3 6.8	71.06	16 15.85
29.0	Do	2 1.06	29.25	18 31 36.39	4 25.81	23 14 51.7	3 34.7	71.03	16 15.87
30.0	Fr	+ 2 30.31	29.01	18 36 2.20	4 25.56	−23 11 17.0	4 2.6	71.00	16 15.89
31.0	So	2 59.32	28.72	18 40 27.76	4 25.28	23 7 14.4	4 30.4	70.97	16 15.91
32.0	St	3 28.04		18 44 53.04		23 2 44.0		70.93	16 15.92

Tag	Julian. Tag	0ʰ mittlere Zeit Greenwich: Sternzeit	Mittleres Äquinoktium 1921.0: Länge		Breite	log R		Untergang +50° in 0ʰ	Aufgang Breite Länge
1921	2423	h m s	° ′ ″	′ ″	″			h m	h m
Nov. 24	018	16 11 35.83	241 40 27.4	60 42.9	+0.40	9.994 3404	775	4 7	19 28
25	019	16 15 32.39	242 41 10.3	60 44.5	+0.53	9.994 2629	762	4 6	19 29
26	020	16 19 28.94	243 41 54.8	60 45.9	+0.68	9.994 1867	750	4 5	19 31
27	021	16 23 25.50	244 42 40.7	60 47.3	+0.82	9.994 1117	737	4 4	19 32
28	022	16 27 22.06	245 43 28.0	60 48.6	+0.94	9.994 0380	725	4 4	19 33
29	023	16 31 18.61	246 44 16.6	60 49.9	+1.04	9.993 9655	713	4 3	19 35
30	024	16 35 15.17	247 45 6.5	60 51.0	+1.12	9.993 8942	701	4 2	19 36
Dez. 1	025	16 39 11.73	248 45 57.5	60 52.0	+1.18	9.993 8241	687	4 2	19 37
2	026	16 43 8.28	249 46 49.5	60 52.9	+1.19	9.993 7554	673	4 1	19 39
3	027	16 47 4.84	250 47 42.4	60 53.9	+1.18	9.993 6881	658	4 1	19 40
4	028	16 51 1.40	251 48 36.3	60 54.7	+1.16	9.993 6223	641	4 0	19 41
5	029	16 54 57.95	252 49 31.0	60 55.4	+1.11	9.993 5582	623	4 0	19 42
6	030	16 58 54.51	253 50 26.4	60 56.2	+1.03	9.993 4959	604	3 59	19 44
7	031	17 2 51.07	254 51 22.6	60 56.9	+0.93	9.993 4355	585	3 59	19 45
8	032	17 6 47.63	255 52 19.5	60 57.6	+0.82	9.993 3770	564	3 59	19 46
9	033	17 10 44.18	256 53 17.1	60 58.2	+0.70	9.993 3206	541	3 59	19 47
10	034	17 14 40.74	257 54 15.3	60 58.8	+0.57	9.993 2665	518	3 58	19 48
11	035	17 18 37.30	258 55 14.1	60 59.4	+0.44	9.993 2147	493	3 58	19 49
12	036	17 22 33.85	259 56 13.5	61 0.0	+0.32	9.993 1654	467	3 58	19 50
13	037	17 26 30.41	260 57 13.5	61 0.6	+0.23	9.993 1187	440	3 58	19 51
14	038	17 30 26.97	261 58 14.1	61 1.3	+0.15	9.993 0747	412	3 58	19 52
15	039	17 34 23.53	262 59 15.4	61 2.1	+0.10	9.993 0335	384	3 58	19 52
16	040	17 38 20.08	264 0 17.5	61 2.8	+0.08	9.992 9951	356	3 59	19 53
17	041	17 42 16.64	265 1 20.3	61 3.5	+0.09	9.992 9595	330	3 59	19 54
18	042	17 46 13.20	266 2 23.8	61 4.4	+0.13	9.992 9265	303	3 59	19 55
19	043	17 50 9.75	267 3 28.2	61 5.1	+0.21	9.992 8962	277	4 0	19 55
20	044	17 54 6.31	268 4 33.3	61 6.0	+0.31	9.992 8685	253	4 0	19 56
21	045	17 58 2.87	269 5 39.3	61 6.7	+0.43	9.992 8431	232	4 0	19 56
22	046	18 1 59.43	270 6 46.0	61 7.5	+0.55	9.992 8200	210	4 1	19 57
23	047	18 5 55.98	271 7 53.5	61 8.2	+0.68	9.992 7990	190	4 1	19 57
24	048	18 9 52.54	272 9 1.7	61 8.7	+0.81	9.992 7800	171	4 2	19 58
25	049	18 13 49.10	273 10 10.4	61 9.2	+0.93	9.992 7629	153	4 3	19 58
26	050	18 17 45.66	274 11 19.6	61 9.7	+1.03	9.992 7476	136	4 3	19 58
27	051	18 21 42.21	275 12 29.3	61 10.0	+1.10	9.992 7340	119	4 4	19 59
28	052	18 25 38.77	276 13 39.3	61 10.3	+1.15	9.992 7221	103	4 5	19 59
29	053	18 29 35.33	277 14 49.6	61 10.4	+1.17	9.992 7118	86	4 6	19 59
30	054	18 33 31.89	278 16 0.0	61 10.4	+1.16	9.992 7032	69	4 7	19 59
31	055	18 37 28.44	279 17 10.4	61 10.4	+1.13	9.992 6963	50	4 7	19 59
32	056	18 41 25.00	280 18 20.8		+1.08	9.992 6913		4 8	19 59

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1921.0								
	X	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	Y	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	Z	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)
1921									
Jan. 1.0	+0.180 2140	7165.3		−0.886 7737	1224.9		−0.384 6540	531.7	
1.5	0.188 8055	7153.7	+9405	0.885 2693	1282.4	+1692	0.384 0011	556.6	+ 736
2.0	0.197 3826	7141.4		0.883 6959	1339.9		0.383 3183	581.5	
2.5	0.205 9447	7128.6	9371	0.882 0536	1397.3	1845	0.382 6056	606.3	803
3.0	0.214 4910	7115.2		0.880 3425	1454.6		0.381 8631	631.2	
3.5	0.223 0209	7101.3	9334	0.878 5627	1511.8	1997	0.381 0908	656.0	869
4.0	+0.231 5338	7086.8		−0.876 7142	1569.0		−0.380 2887	680.8	
4.5	0.240 0289	7071.6	+9294	0.874 7972	1626.0	+2149	0.379 4569	705.6	+ 935
5.0	0.248 5054	7055.9		0.872 8118	1682.9		0.378 5954	730.3	
5.5	0.256 9628	7039.7	9250	0.870 7582	1739.8	2301	0.377 7043	754.9	1001
6.0	0.265 4004	7022.8		0.868 6365	1796.4		0.376 7837	779.5	
6.5	0.273 8174	7005.3	9204	0.866 4469	1852.9	2452	0.375 8336	804.0	1067
7.0	+0.282 2131	6987.3		−0.864 1895	1909.3		−0.374 8542	828.4	
7.5	0.290 5868	6968.8	+9155	0.861 8645	1965.6	+2602	0.373 8455	852.7	+1132
8.0	0.298 9380	6949.7		0.859 4722	2021.6		0.372 8077	877.0	
8.5	0.307 2659	6929.9	9103	0.857 0127	2077.6	2751	0.371 7407	901.2	1197
9.0	0.315 5697	6909.7		0.854 4861	2133.3		0.370 6447	925.4	
9.5	0.323 8489	6888.8	9049	0.851 8927	2188.9	2899	0.369 5198	949.5	1261
10.0	+0.332 1027	6867.4		−0.849 2327	2244.3		−0.368 3660	973.5	
10.5	0.340 3305	6845.4	+8992	0.846 5063	2299.5	+3046	0.367 1835	997.4	+1325
11.0	0.348 5316	6822.9		0.843 7139	2354.5		0.365 9723	1021.2	
11.5	0.356 7054	6799.8	8932	0.840 8556	2409.3	3192	0.364 7326	1044.9	1388
12.0	0.364 8511	6776.3		0.837 9317	2463.8		0.363 4645	1068.6	
12.5	0.372 9682	6752.1	8869	0.834 9425	2518.2	3337	0.362 1681	1092.2	1451
13.0	+0.381 0559	6727.3		−0.831 8882	2572.3		−0.360 8434	1115.7	
13.5	0.389 1136	6702.1	+8803	0.828 7691	2626.2	+3482	0.359 4906	1139.0	+1514
14.0	0.397 1407	6676.3		0.825 5855	2679.8		0.358 1099	1162.3	
14.5	0.405 1365	6649.9	8734	0.822 3376	2733.2	3625	0.356 7013	1185.4	1576
15.0	0.413 1004	6623.1		0.819 0258	2786.4		0.355 2650	1208.4	
15.5	0.421 0318	6595.8	8663	0.815 6503	2839.3	3767	0.353 8012	1231.3	1638
16.0	+0.428 9302	6568.0		−0.812 2115	2891.9		−0.352 3099	1254.2	
16.5	0.436 7948	6539.6	+8589	0.808 7097	2944.3	+3908	0.350 7913	1276.8	+1699
17.0	0.444 6251	6510.8		0.805 1452	2996.4		0.349 2456	1299.4	
17.5	0.452 4205	6481.4	8513	0.801 5184	3048.2	4048	0.347 6728	1321.9	1760
18.0	0.460 1804	6451.6		0.797 8296	3099.7		0.346 0731	1344.3	
18.5	0.467 9043	6421.3	8434	0.794 0792	3150.9	4186	0.344 4466	1366.6	1820
19.0	+0.475 5915	6390.6		−0.790 2674	3201.9		−0.342 7934	1388.7	
19.5	0.483 2416	6359.4	+8353	0.786 3946	3252.7	+4323	0.341 1138	1410.7	+1880
20.0	0.490 8540	6327.8		0.782 4611	3303.1		0.339 4078	1432.6	
20.5	0.498 4281	6295.7	8269	0.778 4672	3353.3	4459	0.337 6756	1454.3	1939
21.0	0.505 9635	6263.2		0.774 4133	3403.2		0.335 9174	1476.0	
21.5	0.513 4596	6230.2	8182	0.770 2997	3452.8	4593	0.334 1333	1497.5	1998

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1921.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1921									
Jan. 21.5	+0.513 4596	6230.2	+8182	−0.770 2997	3452.8	+4593	−0.334 1333	1497.5	+1998
22.0	0.520 9159	6196.8		0.766 1268	3502.1		0.332 3234	1518.9	
22.5	0.528 3319	6163.0	8093	0.761 8948	3551.1	4726	0.330 4879	1540.2	2056
23.0	0.535 7070	6128.8		0.757 6042	3599.8		0.328 6269	1561.4	
23.5	0.543 0408	6094.1	8001	0.753 2552	3648.3	4858	0.326 7406	1582.5	2113
24.0	0.550 3327	6059.0		0.748 8482	3696.6		0.324 8290	1603.5	
24.5	+0.557 5822	6023.4	+7906	−0.744 3835	3744.6	+4988	−0.322 8923	1624.3	+2169
25.0	0.564 7888	5987.4		0.739 8613	3792.3		0.320 9306	1645.1	
25.5	0.571 9520	5951.1	7809	0.735 2820	3839.8	5116	0.318 9441	1665.8	2225
26.0	0.579 0714	5914.3		0.730 6460	3886.9		0.316 9329	1686.3	
26.5	0.586 1463	5877.1	7710	0.725 9535	3933.8	5242	0.314 8972	1706.6	2280
27.0	0.593 1763	5839.4		0.721 2049	3980.4		0.312 8371	1726.8	
27.5	+0.600 1608	5801.3	+7608	−0.716 4005	4026.7	+5367	−0.310 7528	1746.9	+2334
28.0	0.607 0993	5762.7		0.711 5407	4072.8		0.308 6445	1766.9	
28.5	0.613 9912	5723.6	7504	0.706 6257	4118.7	5491	0.306 5122	1786.8	2388
29.0	0.620 8359	5684.2		0.701 6558	4164.3		0.304 3561	1806.6	
29.5	0.627 6330	5644.3	7398	0.696 6315	4209.5	5613	0.302 1764	1826.3	2441
30.0	0.634 3819	5603.8		0.691 5531	4254.4		0.299 9732	1845.8	
30.5	+0.641 0820	5563.0	+7290	−0.686 4209	4299.0	+5733	−0.297 7467	1865.1	+2493
31.0	0.647 7329	5521.7		0.681 2354	4343.3		0.295 4971	1884.3	
31.5	0.654 3340	5479.9	7179	0.675 9970	4387.3	5852	0.293 2245	1903.3	2545
Febr. 1.0	0.660 8846	5437.7		0.670 7060	4430.9		0.290 9292	1922.2	
1.5	0.667 3843	5395.1	7066	0.665 3629	4474.2	5969	0.288 6113	1940.9	2596
2.0	0.673 8326	5352.0		0.659 9680	4517.2		0.286 2710	1959.6	
2.5	+0.680 2290	5308.5	+6951	−0.654 5218	4559.7	+6083	−0.283 9084	1978.1	+2646
3.0	0.686 5729	5264.6		0.649 0248	4601.9		0.281 5237	1996.4	
3.5	0.692 8639	5220.3	6834	0.643 4773	4643.8	6196	0.279 1171	2014.5	2695
4.0	0.699 1014	5175.5		0.637 8797	4685.3		0.276 6889	2032.4	
4.5	0.705 2849	5130.3	6714	0.632 2326	4726.4	6307	0.274 2393	2050.2	2743
5.0	0.711 4139	5084.6		0.626 5363	4767.2		0.271 7684	2067.8	
5.5	+0.717 4878	5038.6	+6592	−0.620 7914	4807.5	+6416	−0.269 2765	2085.3	+2790
6.0	0.723 5063	4992.2		0.614 9983	4847.5		0.266 7637	2102.6	
6.5	0.729 4688	4945.3	6468	0.609 1575	4887.0	6523	0.264 2302	2119.8	2837
7.0	0.735 3749	4898.1		0.603 2695	4926.2		0.261 6762	2136.8	
7.5	0.741 2241	4850.4	6342	0.597 3347	4965.0	6628	0.259 1019	2153.6	2883
8.0	0.747 0159	4802.4		0.591 3536	5003.3		0.256 5076	2170.2	
8.5	+0.752 7499	4754.1	+6215	−0.585 3268	5041.3	+6731	−0.253 8935	2186.6	+2927
9.0	0.758 4256	4705.3		0.579 2547	5078.8		0.251 2598	2202.8	
9.5	0.764 0426	4656.2	6086	0.573 1379	5115.8	6832	0.248 6068	2218.8	2971
10.0	0.769 6003	4606.6		0.566 9769	5152.4		0.245 9346	2234.7	
10.5	0.775 0984	4556.8	5954	0.560 7722	5188.6	6931	0.243 2435	2250.4	3014
11.0	0.780 5366	4506.8		0.554 5243	5224.4		0.240 5337	2265.9	

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1921.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1921									
Febr. 11.0	+0.780 5366	4506.8		—0.554 5243	5224.4		—0.240 5337	2265.9	
11.5	0.785 9144	4456.2	+5821	0.548 2337	5259.7	+7028	0.237 8054	2281.2	+3056
12.0	0.791 2313	4405.3		0.541 9011	5294.5		0.235 0588	2296.3	
12.5	0.796 4871	4354.2	5686	0.535 5269	5328.9	7122	0.232 2942	2311.2	3097
13.0	0.801 6814	4302.8		0.529 1117	5362.9		0.229 5119	2325.9	
13.5	0.806 8137	4251.0	5549	0.522 6560	5396.4	7214	0.226 7121	2340.5	3137
14.0	+0.811 8838	4199.0		—0.516 1604	5429.5		—0.223 8949	2354.9	
14.5	0.816 8913	4146.7	+5411	0.509 6254	5462.1	+7304	0.221 0605	2369.0	+3176
15.0	0.821 8357	4094.1		0.503 0516	5494.2		0.218 2093	2382.9	
15.5	0.826 7168	4041.2	5271	0.496 4395	5525.8	7392	0.215 3415	2396.7	3214
16.0	0.831 5344	3988.0		0.489 7897	5557.1		0.212 4573	2410.3	
16.5	0.836 2880	3934.6	5129	0.483 1027	5587.8	7477	0.209 5570	2423.6	3251
17.0	+0.840 9773	3880.9		—0.476 3791	5618.1		—0.206 6407	2436.7	
17.5	0.845 6021	3827.0	+4986	0.469 6194	5647.9	+7560	0.203 7088	2449.7	+3287
18.0	0.850 1621	3772.9		0.462 8242	5677.3		0.200 7615	2462.5	
18.5	0.854 6571	3718.6	4841	0.455 9940	5706.3	7641	0.197 7989	2475.1	3323
19.0	0.859 0868	3664.1		0.449 1293	5734.8		0.194 8213	2487.5	
19.5	0.863 4509	3609.3	4695	0.442 2306	5762.8	7720	0.191 8289	2499.8	3358
20.0	+0.867 7492	3554.4		—0.435 2985	5790.5		—0.188 8219	2511.8	
20.5	0.871 9814	3499.2	+4547	0.428 3334	5817.8	+7796	0.185 8006	2523.6	+3391
21.0	0.876 1472	3443.8		0.421 3359	5844.6		0.182 7653	2535.3	
21.5	0.880 2464	3388.2	4398	0.414 3065	5870.9	7870	0.179 7161	2546.7	3423
22.0	0.884 2787	3332.3		0.407 2458	5896.8		0.176 6532	2558.0	
22.5	0.888 2439	3276.3	4247	0.400 1542	5922.3	7941	0.173 5769	2569.1	3454
23.0	+0.892 1418	3220.1		—0.393 0322	5947.5		—0.170 4874	2580.1	
23.5	0.895 9720	3163.6	+4095	0.385 8803	5972.3	+8010	0.167 3848	2590.8	+3484
24.0	0.899 7344	3106.9		0.378 6989	5996.6		0.164 2695	2601.3	
24.5	0.903 4286	3050.0	3942	0.371 4886	6020.4	8077	0.161 1416	2611.8	3513
25.0	0.907 0543	2992.8		0.364 2499	6043.9		0.158 0013	2622.0	
25.5	0.910 6113	2935.4	3788	0.356 9833	6067.0	8141	0.154 8489	2631.9	3541
26.0	+0.914 0993	2877.8		—0.349 6893	6089.6		—0.151 6847	2641.7	
26.5	0.917 5181	2820.0	+3633	0.342 3685	6111.7	+8203	0.148 5088	2651.3	+3567
27.0	0.920 8673	2762.0		0.335 0214	6133.3		0.145 3216	2660.7	
27.5	0.924 1468	2703.8	3477	0.327 6486	6154.5	8262	0.142 1232	2669.9	3592
28.0	0.927 3562	2645.3		0.320 2507	6175.3		0.138 9139	2678.9	
28.5	0.930 4954	2586.7	3319	0.312 8281	6195.6	8319	0.135 6939	2687.7	3617
März 1.0	+0.933 5641	2527.8		—0.305 3814	6215.4		—0.132 4635	2696.3	
1.5	0.936 5619	2468.6	+3160	0.297 9111	6234.8	+8373	0.129 2229	2704.7	+3641
2.0	0.939 4887	2409.3		0.290 4178	6253.8		0.125 9723	2712.8	
2.5	0.942 3441	2349.8	3001	0.282 9020	6272.3	8424	0.122 7121	2720.8	3664
3.0	0.945 1280	2290.1		0.275 3644	6290.2		0.119 4424	2728.6	
3.5	0.947 8402	2230.2	2840	0.267 8057	6307.6	8473	0.116 1635	2736.2	3686

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1921.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1921									
März 3.5	+0.947 8402	2230.2	+2840	−0.267 8057	6307.6	+8473	−0.116 1635	2736.2	+3686
4.0	0.950 4804	2170.2		0.260 2263	6324.6		0.112 8757	2743.5	
4.5	0.953 0485	2110.0	2679	0.252 6268	6341.1	8520	0.109 5792	2750.6	3706
5.0	0.955 5444	2049.7		0.245 0079	6357.0		0.106 2743	2757.5	
5.5	0.957 9677	1989.2	2517	0.237 3701	6372.5	8564	0.102 9613	2764.2	3725
6.0	0.960 3183	1928.5		0.229 7140	6387.5		0.099 6404	2770.6	
6.5	+0.962 5960	1867.6	+2354	−0.222 0402	6402.0	+8605	−0.096 3119	2776.8	+3742
7.0	0.964 8005	1806.6		0.214 3494	6415.9		0.092 9760	2782.9	
7.5	0.966 9318	1745.5	2190	0.206 6422	6429.3	8644	0.089 6330	2788.7	3758
8.0	0.968 9897	1684.3		0.198 9191	6442.3		0.086 2832	2794.3	
8.5	0.970 9740	1622.9	2026	0.191 1808	6454.7	8680	0.082 9268	2799.7	3774
9.0	0.972 8846	1561.4		0.183 4280	6466.6		0.079 5641	2804.8	
9.5	+0.974 7213	1499.8	+1861	−0.175 6612	6477.9	+8713	−0.076 1954	2809.7	+3789
10.0	0.976 4841	1438.2		0.167 8811	6488.8		0.072 8210	2814.3	
10.5	0.978 1728	1376.4	1696	0.160 0883	6499.1	8744	0.069 4411	2818.8	3803
11.0	0.979 7874	1314.6		0.152 2834	6508.9		0.066 0559	2823.1	
11.5	0.981 3278	1252.7	1530	0.144 4671	6518.2	8772	0.062 6658	2827.1	3815
12.0	0.982 7938	1190.8		0.136 6400	6526.9		0.059 2710	2830.8	
12.5	+0.984 1855	1128.8	+1364	−0.128 8027	6535.1	+8798	−0.055 8719	2834.3	+3826
13.0	0.985 5027	1066.7		0.120 9560	6542.7		0.052 4686	2837.7	
13.5	0.986 7454	1004.5	1197	0.113 1004	6549.8	8821	0.049 0615	2840.8	3836
14.0	0.987 9135	942.3		0.105 2367	6556.3		0.045 6508	2843.7	
14.5	0.989 0070	880.2	1030	0.097 3654	6562.4	8841	0.042 2368	2846.3	3845
15.0	0.990 0259	818.0		0.089 4870	6568.0		0.038 8197	2848.8	
15.5	+0.990 9702	755.9	+ 862	−0.081 6023	6573.1	+8858	−0.035 3998	2851.0	+3853
16.0	0.991 8400	693.8		0.073 7118	6577.7		0.031 9774	2853.0	
16.5	0.992 6353	631.7	694	0.065 8161	6581.7	8873	0.028 5527	2854.8	3859
17.0	0.993 3560	569.6		0.057 9159	6585.2		0.025 1261	2856.3	
17.5	0.994 0022	507.5	526	0.050 0118	6588.3	8885	0.021 6977	2857.7	3864
18.0	0.994 5740	445.5		0.042 1043	6590.8		0.018 2678	2858.8	
18.5	+0.995 0713	383.4	+ 358	−0.034 1941	6592.8	+8894	−0.014 8367	2859.8	+3868
19.0	0.995 4942	321.5		0.026 2818	6594.3		0.011 4045	2860.5	
19.5	0.995 8428	259.5	190	0.018 3678	6595.4	8901	0.007 9716	2860.9	3871
20.0	0.996 1171	197.7		0.010 4528	6596.0		0.004 5383	2861.2	
20.5	0.996 3172	135.8	+ 22	−0.002 5374	6596.2	8905	−0.001 1048	2861.3	3873
21.0	0.996 4431	74.1		+0.005 3780	6595.9		+0.002 3288	2861.2	
21.5	+0.996 4949	12.3	− 146	+0.013 2927	6595.1	+8907	+0.005 7621	2860.9	+3874
22.0	0.996 4727	49.3		0.021 2062	6593.9		0.009 1949	2860.4	
22.5	0.996 3765	111.0	314	0.029 1180	6592.3	8906	0.012 6270	2859.7	3873
23.0	0.996 2063	172.7		0.037 0275	6590.1		0.016 0582	2858.8	
23.5	0.995 9622	234.3	482	0.044 9342	6587.6	8902	0.019 4882	2857.8	3871
24.0	0.995 6442	295.8		0.052 8376	6584.6		0.022 9168	2856.5	

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1921.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1921									
März 24.0	+0.995 6442	295.8		+0.052 8376	6584.6		+0.022 9168	2856.5	
24.5	0.995 2523	357.3	− 650	0.060 7372	6581.2	+8896	0.026 3437	2855.0	+3869
25.0	0.994 7867	418.8		0.068 6324	6577.3		0.029 7688	2853.3	
25.5	0.994 2473	480.3	818	0.076 5226	6573.0	8887	0.033 1917	2851.4	3865
26.0	0.993 6342	541.6		0.084 4074	6568.2		0.036 6122	2849.3	
26.5	0.992 9475	602.9	985	0.092 2861	6562.9	8875	0.040 0301	2847.0	3860
27.0	+0.992 1872	664.3		+0.100 1582	6557.2		+0.043 4451	2844.5	
27.5	0.991 3533	725.6	−1152	0.108 0231	6551.0	+8861	0.046 8569	2841.8	+3854
28.0	0.990 4459	786.8		0.115 8804	6544.3		0.050 2654	2838.9	
28.5	0.989 4650	848.0	1319	0.123 7294	6537.2	8844	0.053 6703	2835.8	3846
29.0	0.988 4108	909.1		0.131 5695	6529.6		0.057 0713	2832.5	
29.5	0.987 2833	970.2	1486	0.139 4002	6521.5	8824	0.060 4682	2829.0	3837
30.0	+0.986 0825	1031.2		+0.147 2210	6513.0		+0.063 8608	2825.3	
30.5	0.984 8086	1092.1	−1652	0.155 0312	6503.9	+8802	0.067 2487	2821.3	+3828
31.0	0.983 4616	1152.9		0.162 8303	6494.4		0.070 6318	2817.1	
31.5	0.982 0416	1213.7	1818	0.170 6176	6484.3	8777	0.074 0097	2812.8	3817
April 1.0	0.980 5488	1274.3		0.178 3925	6473.8		0.077 3823	2808.2	
1.5	0.978 9832	1334.9	1983	0.186 1546	6462.8	8750	0.080 7493	2803.3	3805
2.0	+0.977 3450	1395.4		+0.193 9032	6451.3		+0.084 1103	2798.3	
2.5	0.975 6343	1455.8	−2147	0.201 6377	6439.4	+8720	0.087 4652	2793.2	+3792
3.0	0.973 8512	1516.0		0.209 3576	6427.0		0.090 8138	2787.8	
3.5	0.971 9959	1576.2	2311	0.217 0623	6414.1	8687	0.094 1557	2782.1	3778
4.0	0.970 0684	1636.3		0.224 7512	6400.7		0.097 4907	2776.3	
4.5	0.968 0689	1696.2	2474	0.232 4237	6386.8	8652	0.100 8186	2770.2	3763
5.0	+0.965 9977	1755.9		+0.240 0792	6372.3		+0.104 1390	2763.8	
5.5	0.963 8548	1815.6	−2637	0.247 7171	6357.4	+8614	0.107 4518	2757.4	+3746
6.0	0.961 6403	1875.2		0.255 3369	6342.1		0.110 7567	2750.7	
6.5	0.959 3545	1934.5	2799	0.262 9379	6326.1	8574	0.114 0534	2743.8	3728
7.0	0.956 9975	1993.7		0.270 5194	6309.7		0.117 3416	2736.6	
7.5	0.954 5696	2052.7	2959	0.278 0809	6292.8	8531	0.120 6212	2729.2	3710
8.0	+0.952 0711	2111.5		+0.285 6219	6275.4		+0.123 8918	2721.7	
8.5	0.949 5021	2170.1	−3119	0.293 1417	6257.5	+8486	0.127 1532	2714.0	+3691
9.0	0.946 8629	2228.5		0.300 6397	6239.1		0.130 4053	2706.0	
9.5	0.944 1537	2286.8	3278	0.308 1154	6220.3	8438	0.133 6477	2697.8	3670
10.0	0.941 3748	2344.8		0.315 5683	6201.0		0.136 8801	2689.4	
10.5	0.938 5264	2402.5	3436	0.322 9977	6181.3	8388	0.140 1024	2680.9	3648
11.0	+0.935 6089	2460.0		+0.330 4031	6161.0		+0.143 3143	2672.2	
11.5	0.932 6225	2517.3	−3593	0.337 7839	6140.3	+8335	0.146 5155	2663.2	+3625
12.0	0.929 5674	2574.4		0.345 1395	6119.0		0.149 7059	2654.0	
12.5	0.926 4440	2631.2	3749	0.352 4694	6097.3	8280	0.152 8851	2644.7	3601
13.0	0.923 2527	2687.7		0.359 7730	6075.2		0.156 0530	2635.1	
13.5	0.919 9937	2743.9	3904	0.367 0498	6052.7	8222	0.159 2093	2625.3	3576

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1921.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1921									
April 13.5	+0.919 9937	2743.9	−3904	+0.367 0498	6052.7	+8222	+0.159 2093	2625.3	+3576
14.0	0.916 6673	2799.9		0.374 2993	6029.7		0.162 3537	2615.3	
14.5	0.913 2739	2855.7	4058	0.381 5210	6006.3	8162	0.165 4861	2605.2	3550
15.0	0.909 8137	2911.2		0.388 7143	5982.5		0.168 6063	2594.9	
15.5	0.906 2871	2966.4	4210	0.395 8788	5958.3	8099	0.171 7140	2584.5	3522
16.0	0.902 6945	3021.3		0.403 0140	5933.6		0.174 8091	2573.9	
16.5	+0.899 0362	3075.9	−4361	+0.410 1194	5908.7	+8034	+0.177 8913	2563.1	+3493
17.0	0.895 3124	3130.3		0.417 1946	5883.3		0.180 9604	2552.1	
17.5	0.891 5236	3184.3	4511	0.424 2390	5857.4	7966	0.184 0162	2541.0	3464
18.0	0.887 6701	3238.1		0.431 2522	5831.2		0.187 0586	2529.7	
18.5	0.883 7522	3291.6	4660	0.438 2338	5804.7	7896	0.190 0873	2518.2	3434
19.0	0.879 7703	3344.8		0.445 1833	5777.8		0.193 1021	2506.5	
19.5	+0.875 7247	3397.8	−4807	+0.452 1003	5750.5	+7825	+0.196 1027	2494.6	+3403
20.0	0.871 6156	3450.6		0.458 9843	5722.8		0.199 0890	2482.6	
20.5	0.867 4434	3503.0	4953	0.465 8349	5694.8	7751	0.202 0608	2470.4	3371
21.0	0.863 2085	3555.2		0.472 6516	5666.4		0.205 0180	2458.1	
21.5	0.858 9111	3607.1	5097	0.479 4341	5637.7	7675	0.207 9603	2445.7	3338
22.0	0.854 5515	3658.8		0.486 1818	5608.5		0.210 8876	2433.1	
22.5	+0.850 1301	3710.2	−5240	+0.492 8944	5579.1	+7597	+0.213 7996	2420.3	+3304
23.0	0.845 6471	3761.4		0.499 5714	5549.3		0.216 6962	2407.3	
23.5	0.841 1029	3812.2	5382	0.506 2124	5519.0	7516	0.219 5771	2394.2	3268
24.0	0.836 4979	3862.8		0.512 8168	5488.3		0.222 4422	2380.9	
24.5	0.831 8323	3913.1	5522	0.519 3842	5457.3	7433	0.225 2913	2367.4	3232
25.0	0.827 1065	3963.2		0.525 9143	5426.0		0.228 1241	2353.8	
25.5	+0.822 3208	4013.0	−5660	+0.532 4066	5394.3	+7348	+0.230 9405	2340.1	+3195
26.0	0.817 4755	4062.5		0.538 8606	5362.3		0.233 7402	2326.1	
26.5	0.812 5709	4111.8	5797	0.545 2759	5329.8	7261	0.236 5231	2312.0	3157
27.0	0.807 6074	4160.8		0.551 6521	5297.0		0.239 2890	2297.7	
27.5	0.802 5852	4209.5	5932	0.557 9886	5263.8	7171	0.242 0377	2283.3	3119
28.0	0.797 5048	4257.8		0.564 2851	5230.3		0.244 7689	2268.7	
28.5	+0.792 3665	4305.9	−6065	+0.570 5410	5196.3	+7079	+0.247 4825	2253.9	+3080
29.0	0.787 1707	4353.7		0.576 7559	5161.8		0.250 1783	2239.0	
29.5	0.781 9178	4401.2	6197	0.582 9293	5127.1	6986	0.252 8561	2223.9	3039
30.0	0.776 6081	4448.3		0.589 0608	5092.0		0.255 5157	2208.7	
30.5	0.771 2420	4495.1	6327	0.595 1500	5056.6	6891	0.258 1569	2193.3	2997
Mai 1.0	0.765 8200	4541.6		0.601 1965	5020.8		0.260 7795	2177.7	
1.5	+0.760 3423	4587.8	−6455	+0.607 1998	4984.6	+6793	+0.263 3833	2161.9	+2955
2.0	0.754 8094	4633.7		0.613 1594	4948.0		0.265 9681	2146.0	
2.5	0.749 2216	4679.3	6581	0.619 0749	4911.1	6693	0.268 5338	2130.0	2912
3.0	0.743 5793	4724.5		0.624 9459	4873.8		0.271 0801	2113.8	
3.5	0.737 8830	4769.3	6705	0.630 7718	4836.1	6592	0.273 6069	2097.5	2867
4.0	0.732 1331	4813.8		0.636 5523	4798.0		0.276 1140	2081.0	

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1921.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1921									
Mai 4.0	+0.732 1331	4813.8		+0.636 5523	4798.0		+0.276 1140	2081.0	
4.5	0.726 3301	4857.9	−6828	0.642 2869	4759.6	+6489	0.278 6012	2064.3	+2822
5.0	0.720 4743	4901.7		0.647 9751	4720.8		0.281 0682	2047.4	
5.5	0.714 5662	4945.1	6948	0.653 6166	4681.7	6384	0.283 5149	2030.4	2776
6.0	0.708 6062	4988.2		0.659 2109	4642.2		0.285 9412	2013.3	
6.5	0.702 5948	5030.8	7066	0.664 7576	4602.3	6277	0.288 3468	1996.0	2729
7.0	+0.696 5326	5072.9		+0.670 2563	4562.1		+0.290 7315	1978.5	
7.5	0.690 4200	5114.8	−7183	0.675 7065	4521.5	+6168	0.293 0952	1960.9	+2682
8.0	0.684 2574	5156.2		0.681 1078	4480.6		0.295 4377	1943.2	
8.5	0.678 0454	5197.1	7297	0.686 4597	4439.3	6057	0.297 7588	1925.3	2634
9.0	0.671 7845	5237.7		0.691 7619	4397.7		0.300 0584	1907.3	
9.5	0.665 4751	5277.8	7409	0.697 0140	4355.8	5945	0.302 3363	1889.2	2585
10.0	+0.659 1179	5317.5		+0.702 2157	4313.7		+0.304 5924	1870.9	
10.5	0.652 7133	5356.8	−7519	0.707 3666	4271.2	+5831	0.306 8265	1852.5	+2535
11.0	0.646 2619	5395.5		0.712 4663	4228.3		0.309 0385	1834.0	
11.5	0.639 7643	5433.8	7626	0.717 5145	4185.2	5715	0.311 2282	1815.4	2485
12.0	0.633 2209	5471.7		0.722 5109	4141.9		0.313 3954	1796.6	
12.5	0.626 6323	5509.2	7731	0.727 4550	4098.2	5598	0.315 5400	1777.8	2434
13.0	+0.619 9990	5546.2		+0.732 3466	4054.3		+0.317 6619	1758.8	
13.5	0.613 3215	5582.8	−7835	0.737 1853	4010.2	+5479	0.319 7609	1739.6	+2383
14.0	0.606 6004	5618.9		0.741 9709	3965.8		0.321 8368	1720.3	
14.5	0.599 8362	5654.6	7936	0.746 7031	3921.2	5358	0.323 8896	1701.0	2330
15.0	0.593 0295	5689.8		0.751 3817	3876.4		0.325 9192	1681.6	
15.5	0.586 1807	5724.7	8035	0.756 0064	3831.3	5236	0.327 9254	1662.1	2277
16.0	+0.579 2904	5759.1		+0.760 5769	3786.1		+0.329 9082	1642.5	
16.5	0.572 3591	5793.1	−8132	0.765 0929	3740.6	+5112	0.331 8674	1622.8	+2223
17.0	0.565 3872	5826.7		0.769 5542	3694.8		0.333 8029	1603.0	
17.5	0.558 3753	5859.8	8226	0.773 9605	3648.9	4987	0.335 7146	1583.1	2169
18.0	0.551 3240	5892.4		0.778 3115	3602.8		0.337 6023	1563.1	
18.5	0.544 2337	5924.7	8318	0.782 6070	3556.4	4861	0.339 4659	1543.0	2114
19.0	+0.537 1050	5956.5		+0.786 8468	3509.8		+0.341 3054	1522.8	
19.5	0.529 9383	5987.9	−8407	0.791 0306	3463.1	+4733	0.343 1206	1502.5	+2058
20.0	0.522 7342	6018.9		0.795 1583	3416.2		0.344 9113	1482.1	
20.5	0.515 4931	6049.6	8494	0.799 2296	3369.1	4604	0.346 6775	1461.7	2002
21.0	0.508 2154	6079.8		0.803 2441	3321.7		0.348 4192	1441.1	
21.5	0.500 9017	6109.7	8579	0.807 2016	3274.1	4473	0.350 1361	1420.4	1945
22.0	+0.493 5524	6139.0		+0.811 1019	3226.3		+0.351 8281	1399.7	
22.5	0.486 1682	6168.0	−8661	0.814 9446	3178.3	+4341	0.353 4952	1378.8	+1888
23.0	0.478 7494	6196.6		0.818 7296	3130.1		0.355 1372	1357.9	
23.5	0.471 2966	6224.7	8741	0.822 4567	3081.7	4208	0.356 7541	1336.9	1830
24.0	0.463 8103	6252.4		0.826 1255	3033.1		0.358 3457	1315.8	
24.5	0.456 2909	6279.7	8818	0.829 7359	2984.3	4074	0.359 9119	1294.6	1772

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1921.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1921									
Mai 24.5	+0.456 2909	6279.7	−8818	+0.829 7359	2984.3	+4074	+0.359 9119	1294.6	+1772
25.0	0.448 7390	6306.7		0.833 2878	2935.4		0.361 4526	1273.3	
25.5	0.441 1551	6333.2	8892	0.836 7808	2886.2	3939	0.362 9677	1251.9	1713
26.0	0.433 5396	6359.3		0.840 2145	2836.7		0.364 4571	1230.4	
26.5	0.425 8931	6384.8	8964	0.843 5888	2787.1	3803	0.365 9207	1209.9	1654
27.0	0.418 2161	6410.0		0.846 9034	2737.2		0.367 3584	1187.3	
27.5	+0.410 5092	6434.7	−9034	+0.850 1580	2687.2	+3665	+0.368 7701	1165.6	+1594
28.0	0.402 7729	6459.0		0.853 3525	2636.9		0.370 1557	1143.8	
28.5	0.395 0077	6482.9	9101	0.856 4866	2586.5	3526	0.371 5150	1121.8	1534
29.0	0.387 2141	6506.3		0.859 5601	2535.9		0.372 8480	1099.8	
29.5	0.379 3926	6529.3	9166	0.862 5727	2485.1	3387	0.374 1545	1077.8	1473
30.0	0.371 5439	6551.8		0.865 5242	2434.1		0.375 4345	1055.6	
30.5	+0.363 6685	6573.8	−9228	+0.868 4144	2382.9	+3247	+0.376 6879	1033.3	+1412
31.0	0.355 7669	6595.4		0.871 2430	2331.5		0.377 9145	1011.0	
31.5	0.347 8397	6616.5	9287	0.874 0099	2279.9	3105	0.379 1143	988.7	1350
Juni 1.0	0.339 8874	6637.2		0.876 7148	2228.2		0.380 2873	966.3	
1.5	0.331 9106	6657.3	9344	0.879 3575	2176.3	2962	0.381 4333	943.8	1288
2.0	0.323 9099	6677.0		0.881 9378	2124.2		0.382 5522	921.1	
2.5	+0.315 8859	6696.3	−9398	+0.884 4555	2071.9	+2819	+0.383 6439	898.4	+1226
3.0	0.307 8391	6715.0		0.886 9103	2019.4		0.384 7084	875.7	
3.5	0.299 7701	6733.2	9449	0.889 3021	1966.8	2675	0.385 7455	852.9	1164
4.0	0.291 6796	6750.9		0.891 6306	1914.0		0.386 7552	830.0	
4.5	0.283 5681	6768.1	9498	0.893 8956	1861.0	2530	0.387 7374	807.0	1101
5.0	0.275 4363	6784.8		0.896 0970	1807.9		0.388 6920	784.0	
5.5	+0.267 2848	6800.9	−9544	+0.898 2345	1754.6	+2385	+0.389 6190	760.9	+1038
6.0	0.259 1143	6816.5		0.900 3080	1701.3		0.390 5182	737.8	
6.5	0.250 9253	6831.6	9588	0.902 3174	1647.8	2239	0.391 3896	714.6	974
7.0	0.242 7186	6846.2		0.904 2626	1594.2		0.392 2332	691.4	
7.5	0.234 4947	6860.2	9629	0.906 1434	1540.5	2092	0.393 0489	668.1	910
8.0	0.226 2544	6873.6		0.907 9597	1486.7		0.393 8367	644.8	
8.5	+0.217 9982	6886.6	−9667	+0.909 7114	1432.8	+1945	+0.394 5965	621.5	+ 846
9.0	0.209 7268	6899.0		0.911 3985	1378.9		0.395 3283	598.2	
9.5	0.201 4408	6910.8	9702	0.913 0208	1324.9	1797	0.396 0320	574.8	782
10.0	0.193 1409	6922.2		0.914 5782	1270.8		0.396 7077	551.3	
10.5	0.184 8277	6933.0	9734	0.916 0707	1216.7	1648	0.397 3552	527.9	717
11.0	0.176 5018	6943.3		0.917 4983	1162.6		0.397 9746	504.5	
11.5	+0.168 1638	6953.2	−9763	+0.918 8608	1108.3	+1499	+0.398 5659	481.0	+ 652
12.0	0.159 8144	6962.4		0.920 1583	1054.1		0.399 1289	457.4	
12.5	0.151 4541	6971.3	9790	0.921 3907	999.8	1350	0.399 6637	433.9	587
13.0	0.143 0835	6979.6		0.922 5579	945.6		0.400 1703	410.4	
13.5	0.134 7032	6987.4	9814	0.923 6600	891.3	1200	0.400 6487	386.9	522
14.0	0.126 3139	6994.8		0.924 6969	836.9		0.401 0988	363.3	

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1921.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1921									
Juni 14.0	+0.126 3139	6994.8		+0.924 6969	836.9		+0.401 0988	363.3	
14.5	0.117 9160	7001.6	−9835	0.925 6686	782.6	+1050	0.401 5206	339.8	+457
15.0	0.109 5102	7008.0		0.926 5751	728.3		0.401 9142	316.3	
15.5	0.101 0970	7013.8	9853	0.927 4164	673.9	900	0.402 2795	292.7	392
16.0	0.092 6771	7019.3		0.928 1925	619.6		0.402 6165	269.1	
16.5	0.084 2510	7024.2	9869	0.928 9034	565.2	749	0.402 9252	245.4	326
17.0	+0.075 8192	7028.7		+0.929 5490	510.8		+0.403 2055	221.8	
17.5	0.067 3823	7032.7	−9882	0.930 1294	456.5	+ 598	0.403 4576	198.3	+260
18.0	0.058 9409	7036.3		0.930 6445	402.1		0.403 6813	174.7	
18.5	0.050 4954	7039.4	9893	0.931 0943	347.7	447	0.403 8767	151.0	194
19.0	0.042 0465	7042.0		0.931 4789	293.3		0.404 0437	127.4	
19.5	0.033 5947	7044.2	9901	0.931 7982	238.8	296	0.404 1824	103.8	128
20.0	+0.025 1406	7045.9		+0.932 0521	184.4		+0.404 2927	80.1	
20.5	0.016 6847	7047.1	−9905	0.932 2407	130.0	+ 145	0.404 3746	56.5	+ 62
21.0	+0.008 2277	7047.8		0.932 3640	75.5		0.404 4282	32.8	
21.5	−0.000 2300	7048.2	9907	0.932 4219	21.0	− 6	0.404 4534	9.2	− 4
22.0	0.008 6879	7048.1		0.932 4145	33.5		0.404 4502	14.5	
22.5	0.017 1453	7047.4	9906	0.932 3416	88.0	158	0.404 4186	38.2	69
23.0	−0.025 6016	7046.3		+0.932 2034	142.4		+0.404 3586	61.8	
23.5	0.034 0564	7044.8	−9902	0.931 9998	196.9	− 310	0.404 2702	85.5	−135
24.0	0.042 5090	7042.8		0.931 7308	251.4		0.404 1534	109.2	
24.5	0.050 9589	7040.3	9895	0.931 3965	305.8	461	0.404 0082	132.8	200
25.0	0.059 4055	7037.3		0.930 9968	360.3		0.403 8346	156.5	
25.5	0.067 8483	7033.8	9886	0.930 5317	414.8	612	0.403 6326	180.2	266
26.0	−0.076 2866	7029.9		+0.930 0012	469.3		+0.403 4023	203.8	
26.5	0.084 7199	7025.4	−9874	0.929 4053	523.8	− 762	0.403 1436	227.4	−331
27.0	0.093 1475	7020.5		0.928 7440	578.3		0.402 8565	251.1	
27.5	0.101 5690	7015.2	9859	0.928 0173	632.8	912	0.402 5410	274.7	397
28.0	0.109 9837	7009.3		0.927 2253	687.2		0.402 1972	298.3	
28.5	0.118 3911	7002.9	9842	0.926 3680	741.6	1062	0.401 8251	321.9	462
29.0	−0.126 7905	6996.0		+0.925 4455	795.9		+0.401 4246	345.5	
29.5	0.135 1814	6988.7	−9822	0.924 4578	850.3	−1212	0.400 9958	369.1	−527
30.0	0.143 5632	6980.8		0.923 4049	904.6		0.400 5388	392.7	
30.5	0.151 9353	6972.4	9798	0.922 2868	958.9	1362	0.400 0535	416.3	592
Juli 1.0	0.160 2969	6963.5		0.921 1035	1013.2		0.399 5399	439.8	
1.5	0.168 6476	6954.1	9772	0.919 8550	1067.5	1512	0.398 9981	463.3	657
2.0	−0.176 9866	6944.2		+0.918 5415	1121.7		+0.398 4280	486.8	
2.5	0.185 3134	6933.8	−9743	0.917 1629	1175.9	−1661	0.397 8297	510.3	−722
3.0	0.193 6274	6922.8		0.915 7194	1230.0		0.397 2033	533.7	
3.5	0.201 9279	6911.3	9712	0.914 2110	1284.0	1809	0.396 5488	557.1	787
4.0	0.210 2143	6899.3		0.912 6379	1337.9		0.395 8663	580.4	
4.5	0.218 4859	6886.6	9678	0.911 0001	1391.7	1957	0.395 1558	603.8	851

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1921.0								
	X	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	*Y*	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	*Z*	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)
1921									
Juli 4.5	−0.218 4859	6886.6	−9678	+0.911 0001	1391.7	−1957	+0.395 1558	603.8	− 851
5.0	0.226 7420	6873.5		0.909 2978	1445.4		0.394 4173	627.1	
5.5	0.234 9821	6860.0	9641	0.907 5311	1499.1	2104	0.393 6509	650.3	915
6.0	0.243 2056	6845.8		0.905 7001	1552.6		0.392 8567	673.4	
6.5	0.251 4117	6831.0	9602	0.903 8049	1606.0	2251	0.392 0347	696.6	979
7.0	0.259 5999	6815.8		0.901 8458	1659.3		0.391 1849	719.7	
7.5	−0.267 7635	6800.0	−9559	+0.899 8228	1712.4	−2397	+0.390 3075	742.7	−1043
8.0	0.275 9198	6783.8		0.897 7361	1765.3		0.389 4026	765.6	
8.5	0.284 0503	6767.0	9514	0.895 5859	1818.1	2543	0.388 4702	788.4	1106
9.0	0.292 1604	6749.8		0.893 3726	1870.7		0.387 5104	811.2	
9.5	0.300 2495	6732.0	9466	0.891 0963	1923.2	2688	0.386 5233	833.9	1169
10.0	0.308 3170	6713.8		0.888 7571	1975.4		0.385 5090	856.6	
10.5	−0.316 3624	6695.1	−9416	+0.886 3554	2027.4	−2832	+0.384 4676	879.2	−1232
11.0	0.324 3851	6676.0		0.883 8913	2079.3		0.383 3991	901.7	
11.5	0.332 3846	6656.3	9363	0.881 3650	2131.1	2975	0.382 3036	924.1	1294
12.0	0.340 3602	6636.3		0.878 7768	2182.6		0.381 1813	946.4	
12.5	0.348 3114	6615.8	9307	0.876 1269	2233.9	3117	0.380 0322	968.7	1356
13.0	0.356 2378	6594.8		0.873 4154	2285.1		0.378 8563	991.0	
13.5	−0.364 1387	6573.4	−9249	+0.870 6426	2336.2	−3258	+0.377 6539	1013.1	−1417
14.0	0.372 0137	6551.6		0.867 8087	2387.0		0.376 4250	1035.1	
14.5	0.379 8623	6529.3	9188	0.864 9139	2437.6	3399	0.375 1697	1057.1	1478
15.0	0.387 6839	6506.6		0.861 9586	2487.9		0.373 8881	1078.9	
15.5	0.395 4780	6483.4	9124	0.858 9429	2538.2	3539	0.372 5803	1100.7	1539
16.0	0.403 2440	6459.8		0.855 8670	2588.3		0.371 2463	1122.5	
16.5	−0.410 9815	6435.9	−9058	+0.852 7312	2638.1	−3677	+0.369 8863	1144.2	−1599
17.0	0.418 6900	6411.5		0.849 5357	2687.8		0.368 5003	1165.8	
17.5	0.426 3690	6386.8	8989	0.846 2807	2737.3	3814	0.367 0885	1187.3	1659
18.0	0.434 0180	6361.5		0.842 9663	2786.7		0.365 6509	1208.7	
18.5	0.441 6364	6335.8	8918	0.839 5928	2835.8	3951	0.364 1877	1230.0	1719
19.0	0.449 2238	6309.7		0.836 1604	2884.8		0.362 6989	1251.3	
19.5	−0.456 7796	6283.3	−8844	+0.832 6693	2933.6	−4087	+0.361 1846	1272.5	−1778
20.0	0.464 3034	6256.3		0.829 1198	2982.2		0.359 6450	1293.6	
20.5	0.471 7946	6228.9	8768	0.825 5122	3030.5	4221	0.358 0801	1314.6	1836
21.0	0.479 2527	6201.2		0.821 8467	3078.7		0.356 4900	1335.6	
21.5	0.486 6773	6173.1	8690	0.818 1235	3126.7	4354	0.354 8748	1356.4	1894
22.0	0.494 0679	6144.5		0.814 3428	3174.5		0.353 2347	1377.2	
22.5	−0.501 4239	6115.5	−8609	+0.810 5048	3222.2	−4486	+0.351 5697	1397.8	−1951
23.0	0.508 7449	6086.1		0.806 6097	3269.6		0.349 8800	1418.4	
23.5	0.516 0303	6056.3	8526	0.802 6578	3316.8	4617	0.348 1656	1438.9	2008
24.0	0.523 2797	6026.0		0.798 6494	3363.8		0.346 4267	1459.3	
24.5	0.530 4925	5995.3	8440	0.794 5847	3410.7	4746	0.344 6633	1479.6	2064
25.0	0.537 6682	5964.2		0.790 4639	3457.3		0.342 8756	1499.8	

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1921.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1921									
Juli 25.0	−0.537 6682	5964.2		+0.790 4639	3457.3		+0.342 8756	1499.8	
25.5	0.544 8063	5932.6	−8352	0.786 2874	3503.6	−4874	0.341 0637	1520.0	−2120
26.0	0.551 9063	5900.7		0.782 0553	3549.8		0.339 2276	1540.1	
26.5	0.558 9677	5868.3	8261	0.777 7679	3595.8	5000	0.337 3675	1560.1	2175
27.0	0.565 9900	5835.5		0.773 4254	3641.7		0.335 4835	1579.9	
27.5	0.572 9727	5802.3	8168	0.769 0280	3687.3	5125	0.333 5757	1599.7	2229
28.0	−0.579 9152	5768.5		+0.764 5761	3732.6		+0.331 6443	1619.3	
28.5	0.586 8170	5734.4	−8073	0.760 0699	3777.8	−5249	0.329 6893	1638.9	−2283
29.0	0.593 6776	5699.8		0.755 5096	3822.7		0.327 7110	1658.3	
29.5	0.600 4965	5664.9	7976	0.750 8956	3867.3	5371	0.325 7094	1677.7	2336
30.0	0.607 2732	5629.5		0.746 2281	3911.7		0.323 6846	1696.9	
30.5	0.614 0071	5693.6	7876	0.741 5075	3955.9	5492	0.321 6368	1716.1	2389
31.0	−0.620 6976	5557.3		+0.736 7340	3999.8		+0.319 5660	1735.2	
31.5	0.627 3443	5520.5	−7774	0.731 9079	4043.5	−5611	0.317 4725	1754.0	−2440
Aug. 1.0	0.633 9466	5483.3		0.727 0297	4086.8		0.315 3564	1772.7	
1.5	0.640 5040	5445.6	7669	0.722 0996	4129.9	5728	0.313 2179	1791.4	2491
2.0	0.647 0159	5407.5		0.717 1179	4172.8		0.311 0570	1810.0	
2.5	0.653 4819	5369.0	7562	0.712 0851	4215.3	5844	0.308 8740	1828.4	2541
3.0	−0.659 9014	5330.1		+0.707 0014	4257.4		+0.306 6689	1846.7	
3.5	0.666 2739	5290.7	−7453	0.701 8673	4299.3	−5958	0.304 4420	1864.8	−2591
4.0	0.672 5989	5250.8		0.696 6831	4340.9		0.302 1934	1882.8	
4.5	0.678 8758	5210.6	7342	0.691 4492	4382.1	6071	0.299 9234	1900.6	2640
5.0	0.685 1042	5170.0		0.686 1661	4423.0		0.297 6320	1918.3	
5.5	0.691 2836	5128.9	7230	0.680 8341	4463.6	6182	0.295 3194	1935.9	2689
6.0	−0.697 4136	5087.5		+0.675 4537	4503.8		+0.292 9859	1953.3	
6.5	0.703 4936	5045.7	−7115	0.670 0253	4543.5	−6291	0.290 6315	1970.5	−2737
7.0	0.709 5233	5003.6		0.664 5494	4583.0		0.288 2566	1987.6	
7.5	0.715 5022	4961.1	6998	0.659 0263	4622.1	6399	0.285 8613	2004.5	2783
8.0	0.721 4298	4918.2		0.653 4565	4660.8		0.283 4457	2021.3	
8.5	0.727 3058	4875.0	6879	0.647 8405	4699.2	6505	0.281 0101	2038.0	2829
9.0	−0.733 1297	4831.5		+0.642 1787	4737.2		+0.278 5546	2054.5	
9.5	0.738 9013	4787.7	−6759	0.636 4715	4774.8	−6608	0.276 0794	2070.8	−2874
10.0	0.744 6200	4743.4		0.630 7193	4812.1		0.273 5847	2087.0	
10.5	0.750 2855	4698.9	6637	0.624 9226	4849.0	6709	0.271 0706	2103.0	2918
11.0	0.755 8974	4654.2		0.619 0818	4885.6		0.268 5374	2118.9	
11.5	0.761 4554	4609.0	6512	0.613 1972	4921.9	6809	0.265 9852	2134.7	2961
12.0	−0.766 9590	4563.6		+0.607 2694	4957.8		+0.263 4141	2150.3	
12.5	0.772 4080	4517.9	−6385	0.601 2988	4993.3	−6907	0.260 8244	2165.8	−3003
13.0	0.777 8019	4471.9		0.595 2857	5028.5		0.258 2163	2181.1	
13.5	0.783 1405	4428.6	6257	0.589 2306	5063.3	7003	0.255 5899	2196.2	3045
14.0	0.788 4233	4379.0		0.583 1339	5097.8		0.252 9455	2211.2	
14.5	0.793 6500	4332.1	6127	0.576 9960	5131.9	7097	0.250 2832	2226.0	3086

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1921.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1921									
Aug. 14.5	−0.793 6500	4332.1	−6127	+0.576 9960	5131.9	−7097	+0.250 2832	2226.0	−3086
15.0	0.798 8202	4284.8		0.570 8174	5165.8		0.247 6032	2240.7	
15.5	0.803 9336	4237.3	5995	0.564 5984	5199.3	7189	0.244 9056	2255.2	3126
16.0	0.808 9898	4189.6		0.558 3394	5232.3		0.242 1907	2269.6	
16.5	0.813 9885	4141.5	5861	0.552 0409	5265.1	7279	0.239 4586	2283.8	3165
17.0	0.818 9294	4093.2		0.545 7034	5297.5		0.236 7095	2297.9	
17.5	−0.823 8121	4044.6	−5726	+0.539 3272	5329.5	−7366	+0.233 9436	2311.8	−3203
18.0	0.828 6363	3995.7		0.532 9127	5361.3		0.231 1611	2325.6	
18.5	0.833 4016	3946.5	5589	0.526 4604	5392.6	7451	0.228 3621	2339.3	3240
19.0	0.838 1077	3897.0		0.519 9707	5423.6		0.225 5469	2352.8	
19.5	0.842 7543	3847.3	5451	0.513 4440	5454.2	7535	0.222 7156	2366.1	3277
20.0	0.847 3410	3797.3		0.506 8808	5484.5		0.219 8685	2379.2	
20.5	−0.851 8676	3747.0	−5311	+0.500 2814	5514.4	−7617	+0.217 0057	2392.2	−3313
21.0	0.856 3337	3696.4		0.493 6464	5543.9		0.214 1273	2405.1	
21.5	0.860 7389	3645.5	5170	0.486 9761	5573.2	7696	0.211 2336	2417.8	3347
22.0	0.865 0829	3594.4		0.480 2709	5602.1		0.208 3248	2430.3	
22.5	0.869 3654	3543.0	5027	0.473 5313	5630.6	7773	0.205 4011	2442.6	3380
23.0	0.873 5861	3491.3		0.466 7576	5658.8		0.202 4626	2454.8	
23.5	−0.877 7446	3439.4	−4883	+0.459 9503	5686.6	−7848	+0.199 5095	2466.9	−3413
24.0	0.881 8406	3387.2		0.453 1099	5714.0		0.196 5421	2478.8	
24.5	0.885 8737	3334.6	4737	0.446 2368	5741.1	7921	0.193 5605	2490.5	3445
25.0	0.889 8435	3281.7		0.439 3314	5767.8		0.190 5649	2502.1	
25.5	0.893 7497	3228.6	4590	0.432 3943	5794.0	7991	0.187 5555	2513.5	3475
26.0	0.897 5921	3175.3		0.425 4259	5819.9		0.184 5326	2524.7	
26.5	−0.901 3703	3121.6	−4442	+0.418 4266	5845.5	−8059	+0.181 4964	2535.7	−3504
27.0	0.905 0839	3067.7		0.411 3969	5870.7		0.178 4470	2546.6	
27.5	0.908 7327	3013.5	4292	0.404 3372	5895.4	8125	0.175 3846	2557.3	3533
28.0	0.912 3163	2959.1		0.397 2481	5919.8		0.172 3095	2567.8	
28.5	0.915 8344	2904.3	4141	0.390 1300	5943.7	8188	0.169 2218	2578.2	3561
29.0	0.919 2867	2849.3		0.382 9835	5967.1		0.166 1219	2588.3	
29.5	−0.922 6728	2794.0	−3988	+0.375 8091	5990.2	−8249	+0.163 0099	2598.2	−3587
30.0	0.925 9923	2738.4		0.368 6072	6012.8		0.159 8861	2608.0	
30.5	0.929 2450	2682.6	3834	0.361 3785	6035.0	8308	0.156 7507	2617.6	3612
31.0	0.932 4305	2626.6		0.354 1234	6056.8		0.153 6039	2627.0	
31.5	0.935 5486	2570.3	3680	0.346 8425	6078.0	8364	0.150 4459	2636.3	3637
Sept. 1.0	0.938 5990	2513.7		0.339 5363	6098.8		0.147 2770	2645.3	
1.5	−0.941 5813	2456.8	−3525	+0.332 2054	6119.2	−8418	+0.144 0974	2654.1	−3661
2.0	0.944 4954	2399.8		0.324 8503	6139.1		0.140 9073	2662.7	
2.5	0.947 3409	2342.6	3368	0.317 4717	6158.5	8469	0.137 7070	2671.1	3683
3.0	0.950 1177	2285.3		0.310 0701	6177.3		0.134 4968	2679.3	
3.5	0.952 8255	2227.7	3210	0.302 6462	6195.8	8518	0.131 2769	2687.2	3704
4.0	0.955 4641	2169.9		0.295 2005	6213.7		0.128 0476	2694.9	

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1921.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1921									
Sept. 4.0	—0.955 4641	2169.9		+0.295 2005	6213.7		+0.128 0476	2694.9	
4.5	0.958 0333	2112.0	—3052	0.287 7336	6231.1	—8564	0.124 8091	2702.5	—3725
5.0	0.960 5329	2053.9		0.280 2461	6248.0		0.121 5616	2709.9	
5.5	0.962 9627	1995.7	2893	0.272 7385	6264.6	8608	0.118 3054	2717.0	3744
6.0	0.965 3225	1937.3		0.265 2113	6280.6		0.115 0408	2724.0	
6.5	0.967 6122	1878.8	2733	0.257 6652	6296.1	8650	0.111 7679	2730.8	3762
7.0	—0.969 8316	1820.2		+0.250 1008	6311.1		+0.108 4871	2737.3	
7.5	0.971 9807	1761.5	—2572	0.242 5187	6325.7	—8689	0.105 1985	2743.6	—3779
8.0	0.974 0592	1702.7		0.234 9194	6339.7		0.101 9025	2749.8	
8.5	0.976 0670	1643.7	2410	0.227 3035	6353.3	8726	0.098 5992	2755.7	3795
9.0	0.978 0040	1584.6		0.219 6715	6366.6		0.095 2889	2761.4	
9.5	0.979 8700	1525.4	2248	0.212 0239	6379.3	8760	0.091 9718	2766.9	3810
10.0	—0.981 6650	1466.2		+0.204 3612	6391.7		+0.088 6482	2772.3	
10.5	0.983 3888	1406.8	—2085	0.196 6841	6403.5	—8791	0.085 3182	2777.5	—3823
11.0	0.985 0414	1347.4		0.188 9930	6414.8		0.081 9822	2782.5	
11.5	0.986 6226	1287.8	1922	0.181 2886	6425.7	8820	0.078 6403	2787.3	3835
12.0	0.988 1322	1228.2		0.173 5714	6436.2		0.075 2928	2791.8	
12.5	0.989 5702	1168.5	1758	0.165 8419	6446.3	8846	0.071 9400	2796.2	3847
13.0	—0.990 9366	1108.7		+0.158 1006	6455.8		+0.068 5820	2800.3	
13.5	0.992 2312	1048.8	—1593	0.150 3481	6464.9	—8870	0.065 2192	2804.3	—3858
14.0	0.993 4538	988.8		0.142 5849	6473.6		0.061 8517	2808.1	
14.5	0.994 6044	928.8	1428	0.134 8116	6481.8	8891	0.058 4798	2811.8	3867
15.0	0.995 6829	868.7		0.127 0287	6489.6		0.055 1036	2815.2	
15.5	0.996 6891	808.5	1263	0.119 2367	6496.9	8910	0.051 7235	2818.4	3875
16.0	—0.997 6231	748.2		+0.111 4362	6503.8		+0.048 3396	2821.4	
16.5	0.998 4848	687.9	—1097	0.103 6276	6510.3	—8926	0.044 9522	2824.2	—3882
17.0	0.999 2740	627.5		0.095 8115	6516.3		0.041 5615	2826.8	
17.5	0.999 9908	567.1	931	0.087 9885	6521.9	8939	0.038 1678	2829.3	3888
18.0	1.000 6350	506.6		0.080 1590	6527.1		0.034 7713	2831.5	
18.5	1.001 2065	445.9	764	0.072 3236	6531.8	8950	0.031 3723	2833.5	3892
19.0	—1.001 7052	385.2		+0.064 4828	6536.1		+0.027 9709	2835.3	
19.5	1.002 1310	324.5	— 597	0.056 6372	6539.8	—8958	0.024 5674	2837.0	—3896
20.0	1.002 4840	263.8		0.048 7873	6543.2		0.021 1621	2838.5	
20.5	1.002 7641	203.0	430	0.040 9336	6546.2	8964	0.017 7551	2839.8	3898
21.0	1.002 9712	142.2		0.033 0767	6548.6		0.014 3468	2840.8	
21.5	1.003 1053	81.3	263	0.025 2171	6550.7	8967	0.010 9373	2841.7	3899
22.0	—1.003 1661	20.2		+0.017 3553	6552.3		+0.007 5269	2842.3	
22.5	1.003 1536	41.0	— 96	0.009 4919	6553.3	—8967	0.004 1158	2842.8	—3899
23.0	1.003 0678	102.2		+0.001 6275	6553.9		+0.000 7043	2843.0	
23.5	1.002 9085	163.4	+ 71	—0.006 2374	6554.1	8965	—0.002 7073	2843.0	3898
24.0	1.002 6757	224.7		0.014 1022	6553.8		0.006 1189	2842.9	
24.5	1.002 3694	285.9	238	0.021 9664	6553.0	8960	0.009 5302	2842.6	3896

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1921.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1921									
Sept. 24.5	−1.002 3694	285.9	+ 238	−0.021 9664	6553.0	−8960	−0.009 5302	2842.6	−3896
25.0	1.001 9895	347.3		0.029 8293	6551.8		0.012 9410	2842.0	
25.5	1.001 5359	408.7	405	0.037 6905	6550.1	8952	0.016 3510	2841.3	3893
26.0	1.001 0087	470.1		0.045 5494	6547.9		0.019 7599	2840.3	
26.5	1.000 4077	531.6	572	0.053 4053	6545.2	8942	0.023 1675	2839.0	3889
27.0	0.999 7330	593.0		0.061 2577	6542.0		0.026 5734	2837.5	
27.5	−0.998 9845	654.6	+ 739	−0.069 1059	6538.3	−8929	−0.029 9775	2835.8	−3884
28.0	0.998 1621	716.1		0.076 9493	6534.0		0.033 3794	2834.0	
28.5	0.997 2659	777.6	905	0.084 7873	6529.3	8914	0.036 7790	2831.9	3877
29.0	0.996 2959	839.1		0.092 6193	6523.9		0.040 1759	2829.6	
29.5	0.995 2521	900.6	1072	0.100 4446	6518.2	8896	0.043 5699	2827.0	3869
30.0	0.994 1345	962.1		0.108 2627	6511.8		0.046 9607	2824.3	
30.5	−0.992 9432	1023.5	+1238	−0.116 0728	6504.9	−8875	−0.050 3481	2821.3	−3860
Okt. 1.0	0.991 6782	1084.9		0.123 8744	6497.6		0.053 7318	2818.1	
1.5	0.990 3395	1146.3	1404	0.131 6668	6489.6	8852	0.057 1115	2814.7	3850
2.0	0.988 9273	1207.5		0.139 4493	6481.2		0.060 4869	2811.0	
2.5	0.987 4416	1268.7	1569	0.147 2214	6472.2	8826	0.063 8578	2807.1	3838
3.0	0.985 8825	1329.7		0.154 9824	6462.7		0.067 2239	2803.0	
3.5	−0.984 2502	1390.7	+1734	−0.162 7317	6452.8	−8797	−0.070 5849	2798.7	−3825
4.0	0.982 5447	1451.7		0.170 4688	6442.3		0.073 9406	2794.1	
4.5	0.980 7663	1512.4	1898	0.178 1929	6431.2	8766	0.077 2907	2789.3	3812
5.0	0.978 9150	1573.0		0.185 9035	6419.7		0.080 6350	2784.4	
5.5	0.976 9911	1633.5	2062	0.193 6000	6407.7	8732	0.083 9732	2779.2	3798
6.0	0.974 9947	1693.8		0.201 2817	6395.2		0.087 3050	2773.8	
6.5	−0.972 9259	1754.1	+2225	−0.208 9481	6382.2	−8696	−0.090 6303	2768.2	−3782
7.0	0.970 7849	1814.2		0.216 5987	6368.7		0.093 9487	2762.4	
7.5	0.968 5719	1874.1	2387	0.224 2328	6354.8	8657	0.097 2600	2756.4	3765
8.0	0.966 2871	1933.9		0.231 8500	6340.4		0.100 5640	2750.2	
8.5	0.963 9306	1993.5	2549	0.239 4496	6325.5	8615	0.103 8604	2743.8	3747
9.0	0.961 5027	2053.0		0.247 0311	6310.2		0.107 1490	2737.2	
9.5	−0.959 0034	2112.4	+2710	−0.254 5939	6294.3	−8571	−0.110 4295	2730.3	−3728
10.0	0.956 4330	2171.6		0.262 1374	6278.1		0.113 7017	2723.3	
10.5	0.953 7917	2230.6	2870	0.269 6612	6261.4	8524	0.116 9653	2716.0	3707
11.0	0.951 0796	2289.4		0.277 1646	6244.3		0.120 2201	2708.6	
11.5	0.948 2971	2348.1	3029	0.284 6472	6226.6	8475	0.123 4659	2701.0	3685
12.0	0.945 4442	2406.7		0.292 1083	6208.5		0.126 7025	2693.2	
12.5	−0.942 5212	2465.1	+3187	−0.299 5474	6190.0	−8423	−0.129 9296	2685.2	−3663
13.0	0.939 5282	2523.3		0.306 9641	6171.0		0.133 1470	2677.0	
13.5	0.936 4655	2581.3	3344	0.314 3577	6151.6	8369	0.136 3544	2668.6	3640
14.0	0.933 3333	2639.1		0.321 7278	6131.8		0.139 5515	2660.0	
14.5	0.930 1318	2696.7	3500	0.329 0738	6111.5	8312	0.142 7382	2651.2	3615
15.0	0.926 8613	2754.2		0.336 3953	6090.8		0.145 9143	2642.3	

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1921.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1921									
Okt. 15.0	—0.926 8613	2754.2		—0.336 3953	6090.8		—0.145 9143	2642.3	
15.5	0.923 5219	2811.4	+3655	0.343 6917	6069.7	—8253	0.149 0796	2633.1	—3589
16.0	0.920 1139	2868.5		0.350 9624	6048.1		0.152 2337	2623.8	
16.5	0.916 6375	2925.4	3810	0.358 2070	6026.1	8191	0.155 3765	2614.3	3562
17.0	0.913 0929	2982.2		0.365 4249	6003.7		0.158 5078	3604.5	
17.5	0.909 4803	3038.8	3963	0.372 6157	5980.8	8127	0.161 6273	2594.6	3534
18.0	—0.905 7999	3095.2		—0.379 7788	5957.6		—0.164 7347	2584.4	
18.5	0.902 0520	3151.3	+4115	0.386 9137	5933.9	—8061	0.167 8298	2574.1	—3505
19.0	0.898 2367	3207.3		0.394 0200	5909.8		0.170 9125	2563.7	
19.5	0.894 3544	3263.2	4266	0.401 0971	5885.3	7992	0.173 9825	2553.0	3475
20.0	0.890 4052	3318.8		0.408 1444	5860.2		0.177 0396	2542.1	
20.5	0.886 3894	3374.2	4415	0.415 1614	5834.8	7921	0.180 0835	2531.1	3445
21.0	—0.882 3072	3429.4		—0.422 1477	5808.9		—0.183 1141	2519.8	
21.5	0.878 1588	3484.5	+4563	0.429 1027	5782.7	—7847	0.186 1311	2508.4	—3413
22.0	0.873 9444	3539.4		0.436 0259	5755.9		0.189 1342	2496.8	
22.5	0.869 6643	3594.1	4710	0.442 9167	5728.7	7771	0.192 1232	2484.9	3380
23.0	0.865 3187	3648.5		0.449 7747	5701.1		0.195 0979	2472.9	
23.5	0.860 9079	3702.8	4855	0.456 5992	5673.0	7693	0.198 0581	2460.7	3346
24.0	—0.856 4321	3756.8		—0.463 3898	5644.5		—0.201 0035	2448.3	
24.5	0.851 8916	3810.7	+4999	0.470 1458	5615.5	—7612	0.203 9339	2435.7	—3311
25.0	0.847 2866	3864.3		0.476 8668	5586.0		0.206 8490	2422.8	
25.5	0.842 6174	3917.6	5141	0.483 5521	5556.1	7529	0.209 7486	2409.8	3275
26.0	0.837 8844	3970.7		0.490 2012	5525.7		0.212 6325	2396.6	
26.5	0.833 0878	4023.5	5282	0.496 8135	5494.8	7444	0.215 5004	2383.2	3238
27.0	—0.828 2281	4076.1		—0.503 3885	5463.5		—0.218 3521	2369.6	
27.5	0.823 3055	4128.3	+5421	0.509 9257	5431.7	—7357	0.221 1873	2355.8	—3200
28.0	0.818 3203	4180.3		0.516 4244	5399.4		0.224 0058	2341.8	
28.5	0.813 2729	4232.0	5559	0.522 8841	5366.7	7267	0.226 8074	2327.5	3160
29.0	0.808 1636	4283.4		0.529 3043	5333.5		0.229 5918	2313.1	
29.5	0.802 9928	4334.5	5695	0.535 6844	5299.8	7175	0.232 3588	2298.6	3120
30.0	—0.797 7609	4385.3		—0.542 0238	5265.8		—0.235 1083	2283.8	
30.5	0.792 4683	4435.7	+5829	0.548 3220	5231.2	—7081	0.237 8399	2268.8	—3079
31.0	0.787 1153	4485.8		0.554 5785	5196.2		0.240 5535	2253.7	
31.5	0.781 7025	4535.5	5961	0.560 7928	5160.8	6985	0.243 2487	2238.3	3037
Nov. 1.0	0.776 2302	4584.8		0.566 9643	5125.0		0.245 9254	2222.7	
1.5	0.770 6989	4633.8	6092	0.573 0925	5088.7	6886	0.248 5833	2207.0	2995
2.0	—0.765 1091	4682.4		—0.579 1769	5051.9		—0.251 2222	2191.2	
2.5	0.759 4611	4730.7	+6221	0.585 2170	5014.8	—6785	0.253 8420	2175.1	—2952
3.0	0.753 7555	4778.6		0.591 2124	4977.3		0.256 4424	2158.8	
3.5	0.747 9926	4826.1	6348	0.597 1625	4939.5	6683	0.259 0232	2142.4	2907
4.0	0.742 1730	4873.2		0.603 0670	4901.3		0.261 5843	2125.9	
4.5	0.736 2971	4919.8	6473	0.608 9254	4862.6	6579	0.264 1254	2109.2	2861

Mittlere Zeit Greenwich	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
	Mittleres Äquinoktium 1921.0	Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1921									
Nov. 4.5	—0.736 2971	4919.8	+6473	—0.608 9254	4862.6	—6579	—0.264 1254	2109.2	—2861
5.0	0.730 3654	4966.2		0.614 7371	4823.6		0.266 6462	2092.3	
5.5	0.724 3783	5012.2	6596	0.620 5018	4784.2	6472	0.269 1467	2075.3	2815
6.0	0.718 3364	5057.7		0.626 2190	4744.4		0.271 6267	2058.1	
6.5	0.712 2400	5102.8	6717	0.631 8883	4704.3	6363	0.274 0860	2040.7	2768
7.0	0.706 0897	5147.6		0.637 5092	4663.8		0.276 5243	2023.2	
7.5	—0.699 8859	5192.0	+6836	—0.643 0813	4623.0	—6253	—0.278 9415	2005.5	—2720
8.0	0.693 6291	5235.9		0.648 6043	4581.9		0.281 3373	1987.6	
8.5	0.687 3198	5279.5	6953	0.654 0777	4540.3	6141	0.283 7116	1969.6	2671
9.0	0.680 9585	5322.7		0.659 5010	4498.5		0.286 0643	1951.5	
9.5	0.674 5456	5365.4	7067	0.664 8740	4456.4	6026	0.288 3951	1933.2	2621
10.0	0.668 0817	5407.8		0.670 1962	4413.9		0.290 7040	1914.8	
10.5	—0.661 5672	5449.8	+7179	—0.675 4673	4371.2	—5910	—0.292 9907	1896.3	—2570
11.0	0.655 0025	5491.3		0.680 6868	4328.0		0.295 2551	1877.6	
11.5	0.648 3882	5532.4	7290	0.685 8544	4284.5	5792	0.297 4969	1858.8	2519
12.0	0.641 7249	5573.1		0.690 9696	4240.8		0.299 7161	1839.8	
12.5	0.635 0130	5613.4	7398	0.696 0321	4196.7	5672	0.301 9124	1820.7	2467
13.0	0.628 2529	5653.3		0.701 0416	4152.3		0.304 0857	1801.4	
13.5	—0.621 4452	5692.8	+7504	—0.705 9976	4107.7	—5551	—0.306 2358	1782.1	—2414
14.0	0.614 5903	5731.8		0.710 8999	4062.8		0.308 3626	1762.6	
14.5	0.607 6888	5770.5	7607	0.715 7480	4017.5	5428	0.310 4659	1742.9	2360
15.0	0.600 7411	5808.8		0.720 5417	3972.0		0.312 5455	1723.1	
15.5	0.593 7477	5846.7	7709	0.725 2806	3926.2	5304	0.314 6013	1703.2	2306
16.0	0.586 7091	5884.2		0.729 9643	3880.0		0.316 6331	1683.2	
16.5	—0.579 6257	5921.3	+7808	—0.734 5925	3833.6	—5178	—0.318 6408	1663.0	—2251
17.0	0.572 4980	5958.0		0.739 1648	3786.9		0.320 6243	1642.7	
17.5	0.565 3265	5994.3	7904	0.743 6809	3739.9	5050	0.322 5833	1622.3	2196
18.0	0.558 1118	6030.2		0.748 1404	3692.6		0.324 5178	1601.8	
18.5	0.550 8542	6065.7	7998	0.752 5430	3645.0	4921	0.326 4275	1581.1	2140
19.0	0.543 5543	6100.7		0.756 8883	3597.1		0.328 3124	1560.3	
19.5	—0.536 2126	6135.4	+8089	—0.761 1759	3548.9	—4790	—0.330 1722	1539.3	—2083
20.0	0.528 8295	6169.6		0.765 4055	3500.4		0.332 0068	1518.3	
20.5	0.521 4057	6203.4	8178	0.769 5767	3451.6	4657	0.333 8160	1497.1	2025
21.0	0.513 9415	6236.8		0.773 6892	3402.5		0.335 5997	1475.8	
21.5	0.506 4375	6269.8	8265	0.777 7425	3353.0	4523	0.337 3577	1454.3	1967
22.0	0.498 8943	6302.2		0.781 7363	3303.3		0.339 0898	1432.6	
22.5	—0.491 3124	6334.2	+8349	—0.785 6702	3253.3	—4388	—0.340 7959	1410.9	—1908
23.0	0.483 6924	6365.8		0.789 5439	3202.9		0.342 4759	1389.1	
23.5	0.476 0348	6396.8	8431	0.793 3570	3152.2	4251	0.344 1296	1367.1	1849
24.0	0.468 3401	6427.5		0.797 1091	3101.3		0.345 7568	1345.0	
24.5	0.460 6089	6457.7	8510	0.800 8000	3050.2	4113	0.347 3575	1322.8	1789
25.0	0.452 8418	6487.3		0.804 4293	2998.7		0.348 9314	1300.4	

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1921.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1921									
Nov. 25.0	—0.452 8418	6487.3		—0.804 4293	2998.7		—0.348 9314	1300.4	
25.5	0.445 0394	6516.5	+8587	0.807 9966	2946.8	—3974	0.350 4784	1277.9	—1728
26.0	0.437 2024	6545.1		0.811 5016	2894.7		0.351 9984	1255.3	
26.5	0.429 3313	6573.3	8661	0.814 9439	2842.4	3834	0.353 4912	1232.6	1667
27.0	0.421 4268	6600.8		0.818 3233	2789.8		0.354 9566	1209.8	
27.5	0.413 4896	6627.8	8732	0.821 6393	2736.9	3692	0.356 3946	1186.8	1605
28.0	—0.405 5202	6654.4		—0.824 8917	2683.8		—0.357 8050	1163.8	
28.5	0.397 5192	6680.4	+8800	0.828 0802	2630.4	—3549	0.359 1877	1140.7	—1543
29.0	0.389 4874	6705.8		0.831 2046	2576.8		0.360 5427	1117.6	
29.5	0.381 4253	6730.8	8865	0.834 2645	2523.0	3405	0.361 8698	1094.3	1481
30.0	0.373 3337	6755.1		0.837 2597	2468.9		0.363 1688	1970.8	
30.5	0.365 2132	6778.9	8928	0.840 1899	2414.6	3260	0.364 4397	1047.3	1418
Dez. 1.0	—0.357 0645	6802.2		—0.843 0548	2360.1		—0.365 6823	1023.7	
1.5	0.348 8882	6824.8	+8988	0.845 8542	2305.5	—3114	0.366 8965	1000.0	—1355
2.0	0.340 6851	6846.9		0.848 5879	2250.6		0.368 0823	976.3	
2.5	0.332 4558	6868.5	9045	0.851 2556	2195.6	2967	0.369 2395	952.4	1291
3.0	0.324 2009	6889.5		0.853 8573	2140.5		0.370 3681	928.5	
3.5	0.315 9211	6910.0	9100	0.856 3927	2085.2	2820	0.371 4679	904.5	1226
4.0	—0.307 6171	6929.9		—0.858 8617	2029.8		—0.372 5389	880.5	
4.5	0.299 2895	6949.3	+9152	0.861 2640	1974.1	—2672	0.373 5810	856.4	—1161
5.0	0.290 9391	6968.0		0.863 5994	1918.3		0.374 5942	832.2	
5.5	0.282 5665	6986.3	9201	0.865 8678	1862.3	2522	0.375 5783	808.0	1096
6.0	0.274 1723	7003.9		0.868 0690	1806.3		0.376 5334	783.7	
6.5	0.265 7573	7021.0	9247	0.870 2029	1750.2	2371	0.377 4593	759.4	1031
7.0	—0.257 3220	7037.7		—0.872 2694	1693.9		—0.378 3559	735.0	
7.5	0.248 8671	7053.7	+9290	0.874 2682	1637.5	—2220	0.379 2232	716.6	— 966
8.0	0.240 3933	7069.2		0.876 1993	1581.0		0.380 0612	686.1	
8.5	0.231 9012	7084.1	9330	0.878 0625	1524.3	2068	0.380 8697	661.5	900
9.0	0.223 3916	7098.4		0.879 8577	1467.6		0.381 6487	636.8	
9.5	0.214 8651	7112.3	9367	0.881 5847	1410.8	1916	0.382 3981	612.2	834
10.0	—0.206 3223	7125.6		—0.883 2435	1353.8		—0.383 1179	587.5	
10.5	0.197 7639	7138.3	+9401	0.884 8339	1296.8	—1763	0.383 8080	562.8	— 767
11.0	0.189 1905	7150.5		0.886 3558	1239.8		0.384 4685	538.1	
11.5	0.180 6028	7162.2	9433	0.887 8092	1182.7	1610	0.385 0993	513.3	700
12.0	0.172 0014	7173.3		0.889 1941	1125.5		0.385 7003	488.5	
12.5	0.163 3870	7183.9	9461	0.890 5104	1068.3	1456	0.386 2716	463.7	633
13.0	—0.154 7601	7194.0		—0.891 7580	1011.0		—0.386 8130	438.8	
13.5	0.146 1215	7203.6	+9487	0.892 9368	953.6	—1302	0.387 3246	413.8	— 566
14.0	0.137 4717	7212.7		0.894 0466	896.1		0.387 8062	388.9	
14.5	0.128 8113	7221.2	9510	0.895 0874	838.6	1147	0.388 2579	363.9	499
15.0	0.120 1410	7229.2		0.896 0591	781.0		0.388 6795	338.8	
15.5	0.111 4614	7236.7	9530	0.896 9617	723.3	992	0.389 0711	313.8	431

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1921.0								
	X	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	Y	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	Z	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)
1921									
Dez. 15.5	−0.111 4614	7236.7	+9530	−0.896 9617	723.3	− 992	−0.389 0711	313.8	− 431
16.0	0.102 7731	7243.7		0.897 7951	665.6		0.389 4326	288.8	
16.5	0.094 0767	7250.2	9547	0.898 5592	607.8	837	0.389 7640	263.7	364
17.0	0.085 3729	7256.1		0.899 2539	550.0		0.390 0653	238.5	
17.5	0.076 6623	7261.5	9561	0.899 8792	492.2	681	0.390 3364	213.3	296
18.0	0.067 9454	7266.5		0.900 4350	434.2		0.390 5773	188.2	
18.5	−0.059 2229	7270.8	+9572	−0.900 9212	376.2	− 525	−0.390 7880	163.0	− 228
19.0	0.050 4955	7274.8		0.901 3377	318.0		0.390 9684	137.8	
19.5	0.041 7637	7278.1	9580	0.901 6844	259.8	369	0.391 1185	112.5	160
20.0	0.033 0283	7280.8		0.901 9611	201.5		0.391 2383	87.2	
20.5	0.024 2899	7283.0	9585	0.902 1679	143.2	213	0.391 3277	61.8	92
21.0	0.015 5492	7284.7		0.902 3046	84.8		0.391 3867	36.5	
21.5	−0.006 8069	7285.8	+9587	−0.902 3712	26.3	− 56	−0.391 4153	11.2	− 24
22.0	+0.001 9364	7286.3		0.902 3677	32.2		0.391 4135	14.2	
22.5	0.010 6800	7286.2	9586	0.902 2940	90.8	+ 100	0.391 3813	39.6	+ 44
23.0	0.019 4231	7285.5		0.902 1500	149.3		0.391 3185	65.0	
23.5	0.028 1651	7284.3	9582	0.901 9358	207.8	256	0.391 2252	90.4	112
24.0	0.036 9052	7282.4		0.901 6513	266.4		0.391 1015	115.8	
24.5	+0.045 6428	7280.1	+9575	−0.901 2965	325.0	+ 412	−0.390 9473	141.3	+ 180
25.0	0.054 3772	7277.1		0.900 8713	383.7		0.390 7625	166.7	
25.5	0.063 1077	7273.5	9565	0.900 3758	442.3	568	0.390 5472	192.1	248
26.0	0.071 8335	7269.3		0.899 8099	500.9		0.390 3015	217.5	
26.5	0.080 5539	7264.5	9552	0.899 1737	559.5	724	0.390 0253	242.8	316
27.0	0.089 2682	7259.1		0.898 4671	618.1		0.389 7187	268.2	
27.5	+0.097 9756	7253.1	+9537	−0.897 6903	676.6	+ 880	−0.389 3817	293.6	+ 383
28.0	0.106 6755	7246.5		0.896 8433	735.1		0.389 0142	318.9	
28.5	0.115 3671	7239.3	9519	0.895 9261	793.5	1036	0.388 6163	344.3	451
29.0	0.124 0496	7231.4		0.894 9389	851.8		0.388 1880	369.6	
29.5	0.132 7224	7223.1	9497	0.893 8817	910.2	1191	0.387 7293	394.8	518
30.0	0.141 3849	7214.2		0.892 7545	968.4		0.387 2404	420.1	
30.5	+0.150 0362	7204.5	+9472	−0.891 5576	1026.5	+1346	−0.386 7212	445.2	+ 585
31.0	0.158 6756	7194.3		0.890 2910	1084.5		0.386 1719	470.3	
31.5	0.167 3025	7183.6	9444	0.888 9549	1142.4	1500	0.385 5924	495.3	652
32.0	0.175 9161	7172.3		0.887 5493	1200.2		0.384 9830	520.4	
32.5	0.184 5158	7160.3	9413	0.886 0745	1257.8	1653	0.384 3435	545.4	719

Frühlingsäquinoktium . .	März	20	16^h
Sommersolstitium . . .	Juni	21	12
Herbstäquinoktium . . .	Sept.	23	2
Wintersolstitium . . .	Dez.	21	21
Perigäum	Jan.	0	16^h
Apogäum	Juli	3	20

Mittlere Zeit Greenwich	Aberration	Parallaxe	Mittlere Zeit Greenwich	Mittlere Länge $L_{\odot}$	Mittlere Anomalie $M_{\odot}$
1921			1921		
Jan. – 6.0	20.″82	8.″95	Jan. – 5.5	274.°1906	352.°61
+ 4.0	20.82	8.95	+ 4.5	284.0471	2.46
14.0	20.81	8.95	14.5	293.9036	12.32
24.0	20.79	8.94	24.5	303.7601	22.18
Febr. 3.0	20.76	8.93	Febr. 3.5	313.6166	32.03
13.0	20.73	8.91	13.5	323.4731	41.89
23.0	20.68	8.89	23.5	333.3295	51.75
März 5.0	20.63	8.87	März 5.5	343.1860	61.60
15.0	20.58	8.85	15.5	353.0425	71.46
25.0	20.52	8.82	25.5	2.8990	81.31
April 4.0	20.46	8.80	April 4.5	12.7554	91.17
14.0	20.40	8.77	14.5	22.6119	101.03
24.0	20.35	8.75	24.5	32.4684	110.88
Mai 4.0	20.29	8.72	Mai 4.5	42.3248	120.74
14.0	20.25	8.70	14.5	52.1813	130.59
24.0	20.21	8.69	24.5	62.0378	140.45
Juni 3.0	20.18	8.67	Juni 3.5	71.8943	150.31
13.0	20.15	8.66	13.5	81.7507	160.16
23.0	20.14	8.66	23.5	91.6072	170.02
Juli 3.0	20.13	8.65	Juli 3.5	101.4637	179.87
13.0	20.14	8.66	13.5	111.3202	189.73
23.0	20.15	8.66	23.5	121.1766	199.59
Aug. 2.0	20.17	8.67	Aug. 2.5	131.0331	209.44
12.0	20.21	8.69	12.5	140.8896	219.30
22.0	20.24	8.70	22.5	150.7461	229.15
Sept. 1.0	20.29	8.72	Sept. 1.5	160.6025	239.01
11.0	20.34	8.74	11.5	170.4590	248.87
21.0	20.40	8.77	21.5	180.3155	258.72
Okt. 1.0	20.45	8.79	Okt. 1.5	190.1719	268.58
11.0	20.51	8.82	11.5	200.0284	278.43
21.0	20.57	8.84	21.5	209.8849	288.29
31.0	20.63	8.87	31.5	219.7414	298.15
Nov. 10.0	20.68	8.89	Nov. 10.5	229.5978	308.00
20.0	20.72	8.91	20.5	239.4543	317.86
30.0	20.76	8.92	30.5	249.3108	327.71
Dez. 10.0	20.79	8.94	Dez. 10.5	259.1673	337.57
20.0	20.81	8.95	20.5	269.0237	347.43
30.0	20.82	8.95	30.5	278.8802	357.28
40.0	20.82	8.95	40.5	288.7367	7.14

Phasen des Mondes

			h	m				h	m
Letztes Viertel	Jan. 0		16	34.7	Neumond	Juli 5		1	36.3
Neumond		8	17	26.8	Erstes Viertel		11	16	15.7
Erstes Viertel		16	18	30.9	Vollmond		19	12	7.7
Vollmond		23	11	7.9	Letztes Viertel		27	14	19.9
Letztes Viertel		30	8	2.1	Neumond	Aug. 3		8	17.5
Neumond	Febr. 7		12	36.9	Erstes Viertel		10	2	13.7
Erstes Viertel		15	6	53.2	Vollmond		18	3	28.3
Vollmond		21	21	32.3	Letztes Viertel		26	0	51.4
Letztes Viertel	März 1		2	3.2	Neumond	Sept. 1		15	33.0
Neumond		9	6	9.2	Erstes Viertel		8	15	29.5
Erstes Viertel		16	15	49.2	Vollmond		16	19	20.0
Vollmond		23	8	18.9	Letztes Viertel		24	9	17.7
Letztes Viertel		30	21	13.4	Neumond	Okt. 1		0	26.4
Neumond	April 7		21	5.2	Erstes Viertel		8	8	11.8
Erstes Viertel		14	22	11.6	Vollmond		16	10	59.6
Vollmond		21	19	49.4	Letztes Viertel		23	16	31.5
Letztes Viertel		29	16	8.7	Neumond		30	11	38.8
Neumond	Mai 7		9	1.5	Erstes Viertel	Nov. 7		3	53.8
Erstes Viertel		14	3	24.8	Vollmond		15	1	39.1
Vollmond		21	8	15.4	Letztes Viertel		21	23	41.0
Letztes Viertel		29	9	44.6	Neumond		29	1	25.7
Neumond	Juni 5		18	14.7	Erstes Viertel	Dez. 7		1	19.5
Erstes Viertel		12	8	59.5	Vollmond		14	14	50.4
Vollmond		19	21	41.3	Letztes Viertel		21	7	54.1
Letztes Viertel		28	1	17.0	Neumond		28	17	39.4

Mond im Apogäum

		h
Jan.	8	21.2
Febr.	4	23.9
März	4	14.0
April	1	8.9
	29	4.6
Mai	26	22.8
Juni	23	13.7
Juli	20	22.3
Aug.	17	0.9
Sept.	13	8.0
Okt.	10	22.9
Nov.	7	18.2
Dez.	5	15.2

Mond im Perigäum

		h
Jan.	23	1.6
Febr.	20	12.3
März	20	13.1
April	16	3.0
Mai	11	8.2
Juni	7	20.9
Juli	6	0.9
Aug.	3	9.8
	31	19.4
Sept.	29	1.8
Okt.	26	18.5
Nov.	20	21.9
Dez.	17	9.6

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1921	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Jan. 0.5	12 24 48	50 5	− 5 8.9	4 3.0	57 24.3	49.5	15 40.1	13.5	187.728	−2.265
1.5	13 14 53	49 48	− 9 11.9	3 31.5	56 34.8	43.3	15 26.6	11.8	200.753	−1.180
2.5	14 4 41	49 57	−12 43.4	2 52.4	55 51.5	36.0	15 14.8	9.8	213.425	−0.065
3.5	14 54 38	50 16	−15 35.8	2 7.5	55 15.5	28.8	15 5.0	7.9	225.818	+1.027
4.5	15 44 54	50 33	−17 43.3	1 18.2	54 46.7	21.9	14 57.1	5.9	238.003	+2.051
5.5	16 35 27	50 37	−19 1.5	0 26.5	54 24.8	15.6	14 51.2	4.3	250.042	+2.969
6.5	17 26 4	50 18	−19 28.0	0 25.6	54 9.2	9.8	14 46.9	2.7	261.987	+3.745
7.5	18 16 22	49 37	−19 2.4	1 15.5	53 59.4	4.5	14 44.2	1.2	273.878	+4.353
8.5	19 5 59	48 41	−17 46.9	2 1.0	53 54.9	0.6	14 43.0	0.2	285.744	+4.768
9.5	19 54 40	47 39	−15 45.9	2 40.6	53 55.5	5.8	14 43.2	1.6	297.609	+4.976
10.5	20 42 19	46 43	−13 5.3	3 13.0	54 1.3	11.4	14 44.8	3.1	309.494	+4.968
11.5	21 29 2	46 5	− 9 52.3	3 38.0	54 12.7	17.7	14 47.9	4.8	321.421	+4.742
12.5	22 15 7	45 55	− 6 14.3	3 55.0	54 30.4	24.5	14 52.7	6.7	333.420	+4.305
13.5	23 1 2	46 22	− 2 19.3	4 4.1	54 54.9	31.9	14 59.4	8.7	345.531	+3.669
14.5	23 47 24	47 30	+ 1 44.8	4 4.3	55 26.8	39.4	15 8.1	10.7	357.805	+2.855
15.5	0 34 54	49 22	+ 5 49.1	3 54.6	56 6.2	46.6	15 18.8	12.7	10.304	+1.889
16.5	1 24 16	51 58	+ 9 43.7	3 33.1	56 52.8	52.3	15 31.5	14.3	23.099	+0.806
17.5	2 16 14	55 6	+13 16.8	2 57.5	57 45.1	55.7	15 45.8	15.1	36.262	−0.351
18.5	3 11 20	58 25	+16 14.3	2 6.1	58 40.8	55.0	16 0.9	15.0	49.855	−1.525
19.5	4 9 45	61 21	+18 20.4	0 59.2	59 35.8	49.3	16 15.9	13.5	63.918	−2.645
20.5	5 11 6	63 14	+19 19.6	0 19.2	60 25.1	38.0	16 29.4	10.3	78.451	−3.632
21.5	6 14 20	63 36	+19 0.4	1 40.9	61 3.1	21.3	16 39.7	5.8	93.397	−4.399
22.5	7 17 56	62 30	+17 19.5	2 55.3	61 24.4	1.4	16 45.5	0.4	108.636	−4.870
23.5	8 20 26	60 20	+14 24.2	3 53.3	61 25.8	19.1	16 45.9	5.2	123.997	−4.996
24.5	9 20 46	57 47	+10 30.9	4 29.8	61 6.7	37.1	16 40.7	10.1	139.281	−4.764
25.5	10 18 33	55 23	+ 6 1.1	4 44.3	60 29.6	50.3	16 30.6	13.7	154.299	−4.204
26.5	11 13 56	53 25	+ 1 16.8	4 39.5	59 39.3	57.5	16 16.9	15.7	168.909	−3.379
27.5	12 7 21	52 3	− 3 22.7	4 19.4	58 41.8	59.2	16 1.2	16.1	183.030	−2.369
28.5	12 59 24	51 13	− 7 42.1	3 47.9	57 42.6	56.1	15 45.1	15.3	196.642	−1.255
29.5	13 50 37	50 51	−11 30.0	3 8.1	56 46.5	49.9	15 29.8	13.6	209.776	−0.110
30.5	14 41 28	50 43	−14 38.1	2 22.5	55 56.6	41.7	15 16.2	11.4	222.497	+1.006
31.5	15 32 11	50 41	−17 0.6	1 33.1	55 14.9	32.6	15 4.8	8.9	234.884	+2.045
Febr. 1.5	16 22 52	50 34	−18 33.7	0 41.7	54 42.3	23.4	14 55.9	6.3	247.023	+2.969
2.5	17 13 26	50 14	−19 15.4	0 10.0	54 18.9	14.7	14 49.6	4.0	258.994	+3.747
3.5	18 3 40	49 41	−19 5.4	1 0.1	54 4.2	6.9	14 45.6	1.9	270.870	+4.355
4.5	18 53 21	48 53	−18 5.3	1 46.7	53 57.3	0.1	14 43.7	0.0	282.711	+4.772
5.5	19 42 14	48 2	−16 18.6	2 28.2	53 57.4	5.9	14 43.7	1.6	294.561	+4.983
6.5	20 30 16	47 11	−13 50.4	3 3.3	54 3.3	11.1	14 45.3	3.0	306.456	+4.979
7.5	21 17 27	46 35	−10 47.1	3 31.1	54 14.4	15.6	14 48.3	4.3	318.420	+4.755
8.5	22 4 2	46 17	− 7 16.0	3 50.6	54 30.0	20.0	14 52.6	5.4	330.472	+4.317
9.5	22 50 19	46 28	− 3 25.4	4 1.6	54 50.0	24.1	14 58.0	6.6	342.629	+3.678
10.5	23 36 47		+ 0 36.2		55 14.1		15 4.6		354.911	+2.860

Tag	Obere Kulmination in Greenwich							0h Länge, + 50° Breite			
	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1921	h m s	s	° '	'	"	h m	m	h m	m	h m	m
Jan. 0	12 37 14	130	− 6 11.4	−10.8	57.2	17 55.8	1.99	12 10	2.9	23 31	1.1
1	13 28 50	129	−10 14.7	− 9.4	56.4	18 43.4	1.98	13 20	2.8	23 59	1.2
2	14 20 18	129	−13 41.8	− 7.8	55.7	19 30.8	1.98	14 27	2.7	—	—
3	15 12 0	130	−16 25.3	− 5.8	55.1	20 18.4	1.99	15 30	2.6	0 29	1.3
4	16 4 4	131	−18 19.0	− 3.6	54.6	21 6.4	2.00	16 30	2.4	1 2	1.5
5	16 56 22	131	−19 18.8	− 1.3	54.3	21 54.6	2.01	17 25	2.2	1 40	1.7
6	17 48 35	130	−19 22.9	+ 1.0	54.1	22 42.8	2.00	18 14	1.9	2 23	1.9
7	18 40 15	128	−18 32.2	+ 3.2	53.9	23 30.4	1.97	18 58	1.7	3 12	2.1
8	—	—	—	—	—	—	—	19 36	1.5	4 6	2.3
9	19 31 2	126	−16 50.3	+ 5.2	53.9	0 17.1	1.93	20 8	1.3	5 3	2.4
10	20 20 42	123	−14 23.1	+ 7.0	54.0	1 2.7	1.88	20 37	1.1	6 3	2.5
11	21 9 15	120	−11 18.0	+ 8.4	54.1	1 47.2	1.83	21 3	1.0	7 5	2.6
12	21 56 57	119	− 7 43.0	+ 9.5	54.4	2 30.8	1.80	21 27	1.0	8 7	2.6
13	22 44 15	118	− 3 46.6	+10.2	54.8	3 14.0	1.80	21 50	1.0	9 10	2.7
14	23 31 47	120	+ 0 22.5	+10.5	55.3	3 57.5	1.82	22 14	1.0	10 15	2.7
15	0 20 17	123	+ 4 35.3	+10.5	55.9	4 41.9	1.88	22 40	1.1	11 21	2.8
16	1 10 36	129	+ 8 41.5	+10.0	56.7	5 28.2	1.98	23 8	1.2	12 29	2.9
17	2 3 35	136	+12 28.8	+ 8.9	57.5	6 17.1	2.10	23 40	1.5	13 39	2.9
18	2 59 57	145	+15 42.1	+ 7.1	58.5	7 9.4	2.25	—	—	14 48	2.9
19	4 0 1	155	+18 4.1	+ 4.6	59.5	8 5.3	2.41	0 19	1.8	15 57	2.8
20	5 3 31	162	+19 16.4	+ 1.3	60.3	9 4.7	2.53	1 9	2.3	17 2	2.6
21	6 9 18	166	+19 4.9	− 2.3	61.0	10 6.4	2.59	2 9	2.7	18 0	2.3
22	7 15 41	165	+17 24.4	− 6.0	61.4	11 8.7	2.58	3 18	3.0	18 50	1.9
23	8 20 51	160	+14 22.8	− 9.0	61.4	12 9.7	2.50	4 35	3.3	19 32	1.6
24	9 23 34	153	+10 18.7	−11.1	61.1	13 8.4	2.38	5 56	3.4	20 7	1.4
25	10 23 25	146	+ 5 36.8	−12.2	60.4	14 4.1	2.26	7 16	3.3	20 38	1.3
26	11 20 36	140	+ 0 41.8	−12.3	59.5	14 57.2	2.16	8 35	3.2	21 7	1.2
27	12 15 40	136	− 4 5.5	−11.6	58.5	15 48.2	2.09	9 51	3.1	21 34	1.1
28	13 9 20	133	− 8 28.8	−10.3	57.5	16 37.8	2.04	11 4	3.0	22 2	1.2
29	14 2 11	132	−12 16.4	− 8.6	56.6	17 26.5	2.02	12 13	2.8	22 32	1.3
30	14 54 41	131	−15 19.8	− 6.6	55.7	18 15.0	2.02	13 19	2.7	23 5	1.4
31	15 47 5	131	−17 33.2	− 4.5	55.1	19 3.3	2.01	14 21	2.5	23 41	1.6
Febr. 1	16 39 27	131	−18 53.1	− 2.2	54.6	19 51.6	2.01	15 18	2.3	—	—
2	17 31 37	130	−19 17.7	+ 0.1	54.2	20 39.7	2.00	16 10	2.0	0 22	1.8
3	18 23 19	128	−18 47.5	+ 2.4	54.0	21 27.3	1.97	16 56	1.8	1 9	2.1
4	19 14 18	126	−17 25.2	+ 4.5	53.9	22 14.2	1.94	17 36	1.6	2 1	2.3
5	20 4 22	124	−15 15.5	+ 6.3	54.0	23 0.2	1.90	18 11	1.4	2 57	2.4
6	20 53 28	122	−12 24.6	+ 7.8	54.1	23 45.3	1.86	18 41	1.2	3 56	2.5
7	—	—	—	—	—	—	—	19 8	1.1	4 57	2.6
8	21 41 45	120	− 9 0.2	+ 9.1	54.4	0 29.5	1.83	19 33	1.0	5 59	2.6
9	22 29 32	119	− 5 10.9	+ 9.9	54.7	1 13.2	1.82	19 57	1.0	7 3	2.7
10	23 17 16	120	− 1 5.7	+10.4	55.1	1 56.9	1.83	20 21	1.0	8 7	2.7

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1921	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Febr. 10.5	23 36 47	47 12	+ 0 36.2	4 3.2	55 14.1	28.6	15 4.6	7.8	354.911	+2.860
11.5	0 23 59	48 32	+ 4 39.4	3 54.8	55 42.7	33.2	15 12.4	9.1	7.347	+1.894
12.5	1 12 31	50 27	+ 8 34.2	3 35.4	56 15.9	37.7	15 21.5	10.2	19.974	+0.819
13.5	2 2 58	52 52	+12 9.6	3 3.7	56 53.6	41.8	15 31.7	11.4	32.837	−0.320
14.5	2 55 50	55 35	+15 13.3	2 19.0	57 35.4	44.6	15 43.1	12.2	45.989	−1.469
15.5	3 51 25	58 12	+17 32.3	1 21.1	58 20.0	45.2	15 55.3	12.3	59.480	−2.567
16.5	4 49 37	60 17	+18 53.4	0 12.2	59 5.2	42.4	16 7.6	11.5	73.348	−3.545
17.5	5 49 54	61 24	+19 5.6	1 3.0	59 47.6	35.5	16 19.1	9.7	87.606	−4.333
18.5	6 51 18	61 23	+18 2.6	2 17.1	60 23.1	24.1	16 28.8	6.6	102.228	−4.861
19.5	7 52 41	60 21	+15 45.5	3 21.9	60 47.2	8.8	16 35.4	2.4	117.137	−5.074
20.5	8 53 2	58 44	+12 23.6	4 10.3	60 56.0	8.7	16 37.8	2.4	132.209	−4.940
21.5	9 51 46	56 56	+ 8 13.3	4 38.6	60 47.3	25.9	16 35.4	7.0	147.284	−4.464
22.5	10 48 42	55 17	+ 3 34.7	4 45.9	60 21.4	40.5	16 28.4	11.1	162.196	−3.687
23.5	11 43 59	54 0	− 1 11.2	4 34.1	59 40.9	50.7	16 17.3	13.8	176.798	−2.681
24.5	12 37 59	53 6	− 5 45.3	4 7.4	58 50.2	55.6	16 3.5	15.1	190.987	−1.531
25.5	13 31 5	52 29	− 9 52.7	3 28.8	57 54.6	55.5	15 48.4	15.2	204.712	−0.325
26.5	14 23 34	52 6	−13 21.5	2 42.4	56 59.1	51.4	15 33.2	14.0	217.975	+0.861
27.5	15 15 40	51 44	−16 3.9	1 51.7	56 7.7	44.1	15 19.2	12.0	230.812	+1.967
28.5	16 7 24	51 18	−17 55.6	0 58.7	55 23.6	35.0	15 7.2	9.5	243.290	+2.948
März 1.5	16 58 42	50 42	−18 54.3	0 6.2	54 48.6	25.0	14 57.7	6.8	255.487	+3.773
2.5	17 49 24	49 58	−19 0.5	0 44.6	54 23.6	14.8	14 50.9	4.1	267.488	+4.417
3.5	18 39 22	49 5	−18 15.9	1 31.9	54 8.8	5.2	14 46.8	1.4	279.374	+4.863
4.5	19 28 27	48 13	−16 44.0	2 14.6	54 3.6	3.5	14 45.4	1.0	291.219	+5.100
5.5	20 16 40	47 27	−14 29.4	2 51.7	54 7.1	11.0	14 46.4	2.9	303.089	+5.118
6.5	21 4 7	46 54	−11 37.7	3 22.1	54 18.1	17.1	14 49.3	4.7	315.034	+4.914
7.5	21 51 1	46 42	− 8 15.6	3 45.1	54 35.2	21.8	14 54.0	5.9	327.096	+4.491
8.5	22 37 43	46 54	− 4 30.5	3 59.6	54 57.0	25.2	14 59.9	6.9	339.303	+3.857
9.5	23 24 37	47 35	− 0 30.9	4 4.4	55 22.2	27.5	15 6.8	7.5	351.671	+3.034
10.5	0 12 12	48 47	+ 3 33.5	3 58.7	55 49.7	28.9	15 14.3	7.9	4.215	+2.052
11.5	1 0 59	50 27	+ 7 32.2	3 41.3	56 18.6	29.8	15 22.2	8.1	16.943	+0.951
12.5	1 51 26	52 29	+11 13.5	3 11.3	56 48.4	30.5	15 30.3	8.3	29.865	−0.218
13.5	2 43 55	54 41	+14 24.8	2 28.8	57 18.9	30.9	15 38.6	8.5	42.996	−1.396
14.5	3 38 36	56 48	+16 53.6	1 34.3	57 49.8	30.9	15 47.1	8.4	56.350	−2.519
15.5	4 35 24	58 26	+18 27.9	0 30.1	58 20.7	30.0	15 55.5	8.1	69.947	−3.522
16.5	5 33 50	59 20	+18 58.0	0 39.6	58 50.7	27.6	16 3.6	7.6	83.796	−4.340
17.5	6 33 10	59 24	+18 18.4	1 49.2	59 18.3	23.1	16 11.2	6.3	97.899	−4.913
18.5	7 32 34	58 42	+16 29.2	2 52.9	59 41.4	16.1	16 17.5	4.3	112.234	−5.192
19.5	8 31 16	57 34	+13 36.3	3 44.7	59 57.5	6.2	16 21.8	1.7	126.753	−5.146
20.5	9 28 50	56 18	+ 9 51.6	4 20.7	60 3.7	5.6	16 23.5	1.5	141.378	−4.768
21.5	10 25 8	55 9	+ 5 30.9	4 38.5	59 58.1	18.2	16 22.0	5.0	156.009	−4.079
22.5	11 20 17	54 19	+ 0 52.4	4 37.9	59 39.9	30.2	16 17.0	8.2	170.533	−3.131
23.5	12 14 36		− 3 45.5		59 9.7		16 8.8		184.843	−1.998

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1ʰ westl. Länge	Dekl.	Änderung für 1ʰ westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1ʰ westl. Länge	0ʰ Länge, +50° Breite: Aufgang	Änderung für 1ʰ westl. Länge	Untergang	Änderung für 1ʰ westl. Länge
1921	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Febr. 10	23 17 16	120	− 1 5.7	+10.4	55.1	1 56.9	1.83	20 21	1.0	8 7	2.7
11	0 5 32	123	+ 3 5.4	+10.4	55.5	2 41.1	1.86	20 46	1.1	9 12	2.8
12	0 55 1	126	+ 7 12.1	+10.0	56.1	3 26.5	1.93	21 13	1.2	10 19	2.8
13	1 46 23	131	+11 2.7	+ 9.1	56.7	4 13.8	2.02	21 43	1.4	11 26	2.8
14	2 40 17	138	+14 24.2	+ 7.6	57.4	5 3.6	2.14	22 19	1.6	12 34	2.8
15	3 37 8	146	+17 2.2	+ 5.5	58.1	5 56.4	2.26	23 2	2.0	13 42	2.7
16	4 36 59	153	+18 41.6	+ 2.7	58.9	6 52.1	2.38	23 55	2.4	14 46	2.6
17	5 39 20	158	+19 8.8	− 0.5	59.7	7 50.4	2.47	—	—	15 45	2.3
18	6 43 10	160	+18 15.3	− 3.9	60.3	8 50.1	2.50	0 57	2.8	16 37	2.0
19	7 47 10	159	+16 0.7	− 7.2	60.8	9 50.0	2.48	2 8	3.1	17 22	1.7
20	8 50 5	155	+12 34.9	− 9.8	60.9	10 48.8	2.42	3 25	3.3	18 0	1.5
21	9 51 12	150	+ 8 15.9	−11.6	60.8	11 45.8	2.33	4 44	3.3	18 34	1.3
22	10 50 17	145	+ 3 26.6	−12.4	60.3	12 40.8	2.25	6 4	3.3	19 4	1.2
23	11 47 33	141	− 1 29.6	−12.2	59.6	13 34.0	2.18	7 23	3.2	19 33	1.2
24	12 43 24	138	− 6 11.9	−11.2	58.7	14 25.7	2.13	8 39	3.1	20 2	1.2
25	13 38 16	136	−10 23.7	− 9.7	57.8	15 16.5	2.10	9 52	3.0	20 32	1.3
26	14 32 31	135	−13 52.7	− 7.7	56.8	16 6.7	2.08	11 2	2.8	21 4	1.4
27	15 26 21	134	−16 31.2	− 5.5	56.0	16 56.5	2.06	12 8	2.6	21 40	1.6
28	16 19 46	133	−18 14.5	− 3.1	55.2	17 45.8	2.04	13 8	2.4	22 20	1.8
März 1	17 12 39	131	−19 1.2	− 0.8	54.7	18 34.6	2.02	14 3	2.2	23 5	2.0
2	18 4 51	129	−18 52.0	+ 1.5	54.3	19 22.7	1.99	14 52	1.9	23 55	2.2
3	18 56 10	127	−17 49.7	+ 3.6	54.1	20 10.0	1.95	15 34	1.6	—	—
4	19 46 31	125	−15 58.6	+ 5.6	54.1	20 56.3	1.91	16 10	1.4	0 49	2.3
5	20 35 55	122	−13 24.2	+ 7.2	54.2	21 41.6	1.87	16 42	1.3	1 47	2.5
6	21 24 34	121	−10 13.1	+ 8.6	54.4	22 26.2	1.84	17 11	1.2	2 47	2.5
7	22 12 46	120	− 6 33.2	+ 9.7	54.7	23 10.3	1.83	17 37	1.0	3 49	2.6
8	23 0 56	121	− 2 32.9	+10.3	55.2	23 54.4	1.84	18 1	1.0	4 53	2.7
9	—	—	—	—	—	—	—	18 26	1.0	5 57	2.7
10	23 49 35	123	+ 1 38.0	+10.5	55.6	0 39.0	1.87	18 51	1.1	7 3	2.8
11	0 39 17	126	+ 5 48.3	+10.3	56.1	1 24.6	1.93	19 17	1.2	8 10	2.8
12	1 30 36	131	+ 9 46.0	+ 9.5	56.6	2 11.9	2.01	19 47	1.3	9 18	2.8
13	2 24 1	136	+13 17.5	+ 8.1	57.1	3 1.2	2.11	20 21	1.5	10 26	2.8
14	3 19 52	143	+16 8.8	+ 6.1	57.7	3 53.0	2.21	21 2	1.8	11 33	2.7
15	4 18 8	148	+18 5.9	+ 3.6	58.2	4 47.2	2.30	21 50	2.2	12 38	2.6
16	5 18 26	153	+18 56.7	+ 0.6	58.7	5 43.4	2.37	22 47	2.6	13 37	2.4
17	6 19 59	155	+18 33.3	− 2.6	59.2	6 40.8	2.40	23 53	2.9	14 30	2.1
18	7 21 49	154	+16 54.0	− 5.7	59.6	7 38.5	2.40	—	—	15 16	1.8
19	8 23 0	152	+14 4.3	− 8.4	59.9	8 35.6	2.36	1 5	3.1	15 56	1.5
20	9 22 57	148	+10 16.8	−10.5	60.1	9 31.5	2.30	2 20	3.2	16 30	1.3
21	10 21 29	145	+ 5 48.7	−11.7	60.0	10 25.9	2.24	3 38	3.3	17 1	1.2
22	11 18 44	142	+ 1 0.4	−12.1	59.7	11 19.1	2.19	4 56	3.2	17 30	1.2
23	12 15 1	140	− 3 47.6	−11.7	59.2	12 11.3	2.16	6 12	3.1	17 59	1.2

Mittlere Zeit Greenwich	Scheinbare Rektaszension h m s	Diff. m s	Scheinbare Deklination ° ′	Diff. ° ′	Parallaxe ′ ″	Diff. ″	Halbmesser ′ ″	Diff. ″	Länge °	Breite °
1921										
März 23.5	12 14 36	53 47	− 3 45.5	4 20.1	59 9.7	39.8	16 8.8	10.8	184.843	−1.998
24.5	13 8 23	53 29	− 8 5.6	3 47.7	58 29.9	46.0	15 58.0	12.6	198.849	−0.764
25.5	14 1 52	53 17	−11 53.3	3 4.3	57 43.9	48.2	15 45.4	13.1	212.494	+0.484
26.5	14 55 9	53 0	−14 57.6	2 13.6	56 55.7	46.4	15 32.3	12.6	225.754	+1.673
27.5	15 48 9	52 30	−17 11.2	1 19.3	56 9.3	41.4	15 19.7	11.3	238.641	+2.744
28.5	16 40 39	51 46	−18 30.5	0 24.5	55 27.9	33.8	15 8.4	9.2	251.190	+3.653
29.5	17 32 25	50 47	−18 55.0	0 28.1	54 54.1	24.6	14 59.2	6.7	263.460	+4.374
30.5	18 23 12	49 39	−18 26.9	1 16.9	54 29.5	14.3	14 52.5	3.9	275.520	+4.888
31.5	19 12 51	48 32	−17 10.0	2 0.9	54 15.2	3.8	14 48.6	1.1	287.449	+5.184
April 1.5	20 1 23	47 35	−15 9.1	2 39.1	54 11.4	6.2	14 47.5	1.7	299.324	+5.258
2.5	20 48 58	46 56	−12 30.0	3 11.4	54 17.6	15.3	14 49.2	4.2	311.221	+5.107
3.5	21 35 54	46 40	− 9 18.6	3 36.9	54 32.9	23.1	14 53.4	6.3	323.209	+4.734
4.5	22 22 34	46 54	− 5 41.7	3 55.0	54 56.0	29.0	14 59.7	7.9	335.348	+4.145
5.5	23 9 28	47 39	− 1 46.7	4 4.2	55 25.0	32.7	15 7.6	8.9	347.685	+3.355
6.5	23 57 7	48 58	+ 2 17.5	4 3.3	55 57.7	34.3	15 16.5	9.3	0.252	+2.389
7.5	0 46 5	50 45	+ 6 20.8	3 50.1	56 32.0	33.8	15 25.8	9.3	13.070	+1.285
8.5	1 36 50	52 52	+10 10.9	3 23.6	57 5.8	31.5	15 35.1	8.5	26.141	+0.091
9.5	2 29 42	55 8	+13 34.5	2 43.1	57 37.3	27.9	15 43.6	7.6	39.457	−1.130
10.5	3 24 50	57 9	+16 17.6	1 49.4	58 5.2	23.6	15 51.2	6.5	53.000	−2.309
11.5	4 21 59	58 36	+18 7.0	0 45.6	58 28.8	19.1	15 57.7	5.2	66.743	−3.373
12.5	5 20 35	59 12	+18 52.6	0 23.8	58 47.9	14.6	16 2.9	4.0	80.656	−4.252
13.5	6 19 47	58 53	+18 28.8	1 32.5	59 2.5	10.2	16 6.9	2.7	94.708	−4.886
14.5	7 18 40	57 52	+16 56.3	2 35.0	59 12.7	5.6	16 9.6	1.6	108.864	−5.230
15.5	8 16 32	56 28	+14 21.3	3 26.6	59 18.3	0.7	16 11.2	0.2	123.087	−5.257
16.5	9 13 0	55 4	+10 54.7	4 4.3	59 19.0	5.1	16 11.4	1.4	137.336	−4.962
17.5	10 8 4	53 57	+ 6 50.4	4 26.4	59 13.9	11.6	16 10.0	3.2	151.566	−4.365
18.5	11 2 1	53 13	+ 2 24.0	4 32.5	59 2.3	18.6	16 6.8	5.1	165.725	−3.503
19.5	11 55 14	52 57	− 2 8.5	4 22.7	58 43.7	25.7	16 1.7	7.0	179.760	−2.438
20.5	12 48 11	52 59	− 6 31.2	3 58.2	58 18.0	31.8	15 54.7	8.6	193.617	−1.242
21.5	13 41 10	53 12	−10 29.4	3 21.2	57 46.2	36.3	15 46.1	9.9	207.248	+0.006
22.5	14 34 22	53 21	−13 50.6	2 34.2	57 9.9	38.4	15 36.2	10.5	220.616	+1.231
23.5	15 27 43	53 13	−16 24.8	1 41.1	56 31.5	37.9	15 25.7	10.3	233.699	+2.363
24.5	16 20 56	52 43	−18 5.9	0 45.2	55 53.6	34.7	15 15.4	9.5	246.493	+3.351
25.5	17 13 39	51 46	−18 51.1	0 9.6	55 18.9	29.0	15 5.9	7.9	259.011	+4.154
26.5	18 5 25	50 33	−18 41.5	1 0.9	54 49.9	21.2	14 58.0	5.8	271.288	+4.750
27.5	18 55 58	49 11	−17 40.6	1 46.9	54 28.7	12.1	14 52.2	3.3	283.372	+5.124
28.5	19 45 9	47 55	−15 53.7	2 26.8	54 16.6	2.0	14 48.9	0.5	295.324	+5.271
29.5	20 33 4	46 55	−13 26.9	3 0.3	54 14.6	8.4	14 48.4	2.3	307.214	+5.192
30.5	21 19 59	46 23	−10 26.6	3 27.3	54 23.0	18.6	14 50.7	5.1	319.119	+4.890
Mai 1.5	22 6 22	46 24	− 6 59.3	3 47.6	54 41.6	27.7	14 55.8	7.5	331.117	+4.374
2.5	22 52 46	47 1	− 3 11.7	4 0.4	55 9.3	35.4	15 3.3	9.6	343.282	+3.656
3.5	23 39 47		+ 0 48.7		55 44.7		15 12.9		355.682	+2.755

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	0h Länge, +50° Breite: Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1921	h m s	s	° '	'	'	h m	m	h m	m	h m	m
März 23	12 15 1	140	− 3 47.6	−11.7	59.2	12 11.3	2.16	6 12	3.1	17 59	1.2
24	13 10 44	139	− 8 16.3	−10.6	58.5	13 2.9	2.14	7 27	3.1	18 29	1.3
25	14 6 6	138	−12 9.6	− 8.8	57.7	13 54.2	2.13	8 40	3.0	19 1	1.4
26	15 1 15	138	−15 15.6	− 6.6	56.8	14 45.3	2.12	9 49	2.8	19 36	1.5
27	15 56 4	136	−17 26.6	− 4.3	56.0	15 36.0	2.10	10 53	2.6	20 15	1.7
28	16 50 17	135	−18 39.1	− 1.8	55.3	16 26.2	2.07	11 52	2.3	20 59	1.9
29	17 43 38	132	−18 53.3	+ 0.6	54.8	17 15.4	2.03	12 44	2.0	21 48	2.1
30	18 35 50	129	−18 11.9	+ 2.8	54.4	18 3.6	1.98	13 29	1.8	22 41	2.3
31	19 26 48	126	−16 39.8	+ 4.8	54.2	18 50.4	1.93	14 8	1.5	23 37	2.4
April 1	20 16 33	123	−14 22.6	+ 6.6	54.2	19 36.1	1.88	14 42	1.3	—	—
2	21 5 21	121	−11 26.8	+ 8.0	54.4	20 20.9	1.85	15 12	1.2	0 36	2.5
3	21 53 34	120	− 7 59.1	+ 9.2	54.7	21 5.0	1.83	15 39	1.1	1 37	2.6
4	22 41 41	121	− 4 7.3	+10.1	55.1	21 49.1	1.84	16 4	1.0	2 40	2.7
5	23 30 18	123	+ 0 0.2	+10.5	55.7	22 33.6	1.87	16 28	1.0	3 44	2.7
6	0 20 1	126	+ 4 13.1	+10.5	56.2	23 19.3	1.93	16 53	1.1	4 50	2.8
7	—	—	—	—	—	—	—	17 19	1.2	5 57	2.8
8	1 11 26	131	+ 8 19.3	+ 9.9	56.8	0 6.6	2.02	17 48	1.3	7 5	2.9
9	2 5 3	137	+12 4.8	+ 8.8	57.4	0 56.2	2.12	18 22	1.5	8 15	2.9
10	3 1 8	143	+15 14.1	+ 6.9	57.9	1 48.2	2.22	19 1	1.8	9 24	2.8
11	3 59 39	149	+17 31.8	+ 4.5	58.3	2 42.6	2.31	19 48	2.1	10 31	2.7
12	5 0 5	153	+18 44.4	+ 1.5	58.7	3 38.9	2.37	20 43	2.4	11 32	2.4
13	6 1 32	154	+18 43.6	− 1.6	59.0	4 36.3	2.39	21 45	2.7	12 27	2.1
14	7 2 57	153	+17 27.6	− 4.7	59.2	5 33.6	2.37	22 54	3.0	13 15	1.8
15	8 3 23	149	+15 1.8	− 7.4	59.3	6 29.9	2.32	—		13 55	1.6
16	9 2 19	145	+11 37.5	− 9.5	59.3	7 24.8	2.25	0 7	3.1	14 30	1.4
17	9 59 40	142	+ 7 29.9	−11.0	59.3	8 18.0	2.19	1 22	3.1	15 2	1.3
18	10 55 41	139	+ 2 56.1	−11.7	59.1	9 10.0	2.14	2 37	3.1	15 31	1.2
19	11 50 51	137	− 1 46.1	−11.7	58.8	10 1.0	2.12	3 52	3.1	15 59	1.2
20	12 45 40	137	− 6 19.2	−11.0	58.3	10 51.8	2.11	5 6	3.1	16 28	1.2
21	13 40 31	137	−10 26.8	− 9.6	57.8	11 42.5	2.12	6 19	3.0	16 58	1.3
22	14 35 36	138	−13 54.8	− 7.7	57.2	12 33.5	2.13	7 29	2.8	17 31	1.5
23	15 30 51	138	−16 32.3	− 5.4	56.5	13 24.7	2.13	8 36	2.7	18 8	1.7
24	16 25 56	137	−18 12.5	− 2.9	55.8	14 15.7	2.11	9 38	2.5	18 51	1.9
25	17 20 24	135	−18 52.9	− 0.4	55.2	15 6.1	2.08	10 34	2.2	19 38	2.1
26	18 13 46	132	−18 34.9	+ 1.9	54.8	15 55.4	2.03	11 22	1.9	20 30	2.3
27	19 5 45	128	−17 23.0	+ 4.0	54.4	16 43.3	1.96	12 4	1.6	21 26	2.4
28	19 56 13	124	−15 23.4	+ 5.9	54.3	17 29.7	1.90	12 40	1.4	22 24	2.5
29	20 45 21	121	−12 43.0	+ 7.4	54.3	18 14.8	1.85	13 12	1.2	23 24	2.5
30	21 33 31	120	− 9 28.8	+ 8.7	54.5	18 58.9	1.82	13 40	1.1	—	—
Mai 1	22 21 15	119	− 5 48.1	+ 9.7	54.8	19 42.5	1.82	14 5	1.0	0 26	2.6
2	23 9 11	121	− 1 48.2	+10.3	55.3	20 26.4	1.84	14 30	1.0	1 29	2.6
3	23 58 5	124	+ 2 22.3	+10.5	56.0	21 11.2	1.90	14 54	1.0	2 33	2.7

Mittlere Zeit Greenwich	Scheinbare Rektaszension h m s	Diff. m s	Scheinbare Deklination ° ′	Diff. ° ′	Parallaxe ′ ″	Diff. ″	Halbmesser ′ ″	Diff. ″	Länge °	Breite °
1921										
Mai 3.5	23 39 47	48 17	+ 0 48.7	4 4.3	55 44.7	40.6	15 12.9	11.1	355.682	+2.755
4.5	0 28 4	50 12	+ 4 53.0	3 57.2	56 25.3	43.0	15 24.0	11.7	8.373	+1.699
5.5	1 18 16	52 36	+ 8 50.2	3 37.1	57 8.3	42.2	15 35.7	11.5	21.391	+0.530
6.5	2 10 52	55 16	+12 27.3	3 1.9	57 50.5	38.2	15 47.2	10.4	34.753	−0.696
7.5	3 6 8	57 48	+15 29.2	2 11.4	58 28.7	31.1	15 57.6	8.5	48.447	−1.911
8.5	4 3 56	59 43	+17 40.6	1 7.6	58 59.8	22.2	16 6.1	6.1	62.432	−3.037
9.5	5 3 39	60 36	+18 48.2	0 4.0	59 22.0	12.5	16 12.2	3.4	76.646	−3.992
10.5	6 4 15	60 16	+18 44.2	1 16.7	59 34.5	3.0	16 15.6	0.8	91.009	−4.708
11.5	7 4 31	58 58	+17 27.5	2 22.7	59 37.5	5.2	16 16.4	1.4	105.432	−5.129
12.5	8 3 29	57 4	+15 4.8	3 16.9	59 32.3	11.8	16 15.0	3.2	119.834	−5.227
13.5	9 0 33	55 8	+11 47.9	3 56.0	59 20.5	16.9	16 11.8	4.6	134.146	−5.000
14.5	9 55 41	53 29	+ 7 51.9	4 19.6	59 3.6	20.7	16 7.2	5.7	148.320	−4.470
15.5	10 49 10	52 23	+ 3 32.3	4 27.9	58 42.9	23.5	16 1.5	6.4	162.322	−3.680
16.5	11 41 33	51 51	− 0 55.6	4 21.8	58 19.4	25.9	15 55.1	7.1	176.135	−2.685
17.5	12 33 24	51 49	− 5 17.4	4 2.4	57 53.5	28.0	15 48.0	7.6	189.752	−1.551
18.5	13 25 13	52 9	− 9 19.8	3 31.0	57 25.5	29.6	15 40.4	8.0	203.168	−0.349
19.5	14 17 22	52 36	−12 50.8	2 49.2	56 55.9	30.7	15 32.4	8.4	216.381	+0.853
20.5	15 9 58	52 55	−15 40.0	1 59.6	56 25.2	30.8	15 24.0	8.4	229.386	+1.989
21.5	16 2 53	52 50	−17 39.6	1 5.3	55 54.4	29.6	15 15.6	8.1	242.181	+3.003
22.5	16 55 43	52 16	−18 44.9	0 9.9	55 24.8	26.8	15 7.5	7.3	254.766	+3.853
23.5	17 47 59	51 15	−18 54.8	0 43.4	54 58.0	22.3	15 0.2	6.1	267.150	+4.504
24.5	18 39 14	49 55	−18 11.4	1 31.9	54 35.7	16.2	14 54.1	4.4	279.350	+4.940
25.5	19 29 9	48 28	−16 39.5	2 14.2	54 19.5	8.4	14 49.7	2.3	291.395	+5.149
26.5	20 17 37	47 12	−14 25.3	2 49.4	54 11.1	0.5	14 47.4	0.2	303.329	+5.132
27.5	21 4 49	46 15	−11 35.9	3 17.8	54 11.6	10.3	14 47.6	2.8	315.206	+4.895
28.5	21 51 4	45 52	− 8 18.1	3 39.3	54 21.9	20.4	14 50.4	5.5	327.094	+4.447
29.5	22 36 56	46 5	− 4 38.8	3 54.0	54 42.3	30.3	14 55.9	8.3	339.069	+3.802
30.5	23 23 1	47 1	− 0 44.8	4 0.9	55 12.6	39.2	15 4.2	10.7	351.210	+2.979
31.5	0 10 2	48 41	+ 3 16.1	3 58.9	55 51.8	46.3	15 14.9	12.6	3.600	+2.002
Juni 1.5	0 58 43	51 4	+ 7 15.0	3 45.6	56 38.1	50.5	15 27.5	13.8	16.313	+0.902
2.5	1 49 47	53 58	+11 0.6	3 18.7	57 28.6	51.1	15 41.3	13.9	29.411	−0.275
3.5	2 43 45	57 4	+14 19.3	2 35.8	58 19.7	47.2	15 55.2	12.9	42.930	−1.472
4.5	3 40 49	59 52	+16 55.1	1 37.0	59 6.9	39.1	16 8.1	10.6	56.873	−2.616
5.5	4 40 41	61 43	+18 32.1	0 25.7	59 46.0	27.1	16 18.7	7.4	71.200	−3.626
6.5	5 42 24	62 14	+18 57.8	0 51.3	60 13.1	12.8	16 26.1	3.5	85.828	−4.420
7.5	6 44 38	61 18	+18 6.5	2 4.9	60 25.9	1.8	16 29.6	0.5	100.637	−4.928
8.5	7 45 56	59 23	+16 1.6	3 6.8	60 24.1	15.1	16 29.1	4.1	115.488	−5.107
9.5	8 45 19	57 0	+12 54.8	3 52.1	60 9.0	25.4	16 25.0	6.9	130.246	−4.947
10.5	9 42 19	54 46	+ 9 2.7	4 19.3	59 43.6	32.4	16 18.1	8.9	144.799	−4.467
11.5	10 37 5	53 0	+ 4 43.4	4 29.7	59 11.2	36.2	16 9.2	9.8	159.075	−3.717
12.5	11 30 5	51 51	+ 0 13.7	4 24.8	58 35.0	37.3	15 59.4	10.2	173.040	−2.759
13.5	12 21 56		− 4 11.1		57 57.7		15 49.2		186.693	−1.663

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1^h westl. Länge	Dekl.	Änderung für 1^h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1^h westl. Länge	0^h Länge, +50° Breite: Aufgang	Änderung für 1^h westl. Länge	Untergang	Änderung für 1^h westl. Länge
1921	h m s	s	° '	'	'	h m	m	h m	m	h m	m
Mai 3	23 58 5	124	+ 2 22.3	+10.5	56.0	21 11.2	1.90	14 54	1.0	2 33	2.7
4	0 48 39	129	+ 6 33.0	+10.3	56.7	21 57.7	1.98	15 20	1.1	3 39	2.8
5	1 41 34	136	+10 31.0	+ 9.4	57.5	22 46.6	2.09	15 48	1.2	4 47	2.9
6	2 37 20	143	+14 0.8	+ 7.9	58.2	23 38.3	2.22	16 19	1.4	5 57	2.9
7	—	—	—	—	—	—	—	16 56	1.7	7 8	2.9
8	3 36 4	150	+16 45.1	+ 5.7	58.8	0 32.9	2.33	17 41	2.0	8 17	2.8
9	4 37 21	156	+18 27.1	+ 2.8	59.2	1 30.1	2.42	18 34	2.4	9 23	2.6
10	5 40 11	158	+18 54.6	− 0.5	59.5	2 28.8	2.46	19 36	2.7	10 22	2.3
11	6 43 11	157	+18 2.8	− 3.8	59.6	3 27.7	2.44	20 45	2.9	11 13	2.0
12	7 45 3	152	+15 56.3	− 6.7	59.6	4 25.5	2.37	21 58	3.0	11 57	1.7
13	8 44 57	147	+12 47.0	− 9.0	59.4	5 21.3	2.28	23 12	3.1	12 33	1.4
14	9 42 38	142	+ 8 51.2	−10.6	59.1	6 14.9	2.19	—	—	13 5	1.3
15	10 38 23	137	+ 4 26.3	−11.4	58.8	7 6.5	2.12	0 26	3.1	13 34	1.2
16	11 32 45	135	− 0 10.4	−11.6	58.4	7 56.8	2.08	1 40	3.1	14 1	1.2
17	12 26 26	134	− 4 43.1	−11.1	58.0	8 46.4	2.07	2 53	3.0	14 30	1.2
18	13 20 1	134	− 8 56.8	−10.0	57.5	9 35.9	2.07	4 4	2.9	14 59	1.3
19	14 13 57	135	−12 38.1	− 8.4	57.0	10 25.8	2.08	5 14	2.8	15 30	1.4
20	15 8 22	137	−15 35.5	− 6.3	56.4	11 16.1	2.10	6 22	2.7	16 5	1.6
21	16 3 8	137	−17 40.0	− 4.0	55.9	12 6.8	2.11	7 25	2.5	16 45	1.8
22	16 57 49	136	−18 46.3	− 1.5	55.4	12 57.4	2.10	8 24	2.3	17 30	2.0
23	17 51 51	134	−18 53.3	+ 0.9	54.9	13 47.4	2.06	9 16	2.0	18 20	2.2
24	18 44 43	130	−18 3.7	+ 3.2	54.6	14 36.2	2.00	10 1	1.7	19 14	2.3
25	19 36 5	126	−16 22.9	+ 5.2	54.3	15 23.5	1.94	10 40	1.5	20 12	2.4
26	20 25 52	123	−13 58.3	+ 6.8	54.2	16 9.2	1.88	11 13	1.3	21 12	2.5
27	21 14 18	120	−10 57.6	+ 8.2	54.2	16 53.5	1.83	11 42	1.1	22 13	2.5
28	22 1 49	118	− 7 28.4	+ 9.2	54.4	17 37.0	1.80	12 8	1.0	23 14	2.6
29	22 49 3	118	− 3 38.1	+ 9.9	54.8	18 20.2	1.80	12 32	1.0	—	—
30	23 36 43	120	+ 0 25.7	+10.3	55.4	19 3.8	1.84	12 56	1.0	0 17	2.7
31	0 25 39	125	+ 4 34.6	+10.3	56.1	19 48.6	1.91	13 21	1.1	1 22	2.7
Juni 1	1 16 42	131	+ 8 38.0	+ 9.9	56.9	20 35.6	2.01	13 47	1.2	2 28	2.8
2	2 10 36	139	+12 22.7	+ 8.8	57.8	21 25.4	2.14	14 16	1.3	3 36	2.9
3	3 7 54	148	+15 32.4	+ 6.9	58.7	22 18.6	2.29	14 50	1.6	4 46	2.9
4	4 8 35	156	+17 48.8	+ 4.3	59.4	23 15.2	2.42	15 31	1.9	5 57	2.9
5	—	—	—	—	—	—	—	16 21	2.3	7 6	2.7
6	5 12 1	161	+18 54.7	+ 1.1	60.0	0 14.6	2.51	17 21	2.7	8 9	2.5
7	6 16 48	162	+18 39.0	− 2.4	60.4	1 15.2	2.53	18 29	2.9	9 6	2.2
8	7 21 14	159	+17 0.5	− 5.7	60.4	2 15.6	2.48	19 42	3.1	9 54	1.8
9	8 23 53	154	+14 9.2	− 8.4	60.3	3 14.1	2.39	20 58	3.2	10 35	1.5
10	9 23 59	147	+10 22.3	−10.3	59.9	4 10.1	2.28	22 15	3.2	11 9	1.3
11	10 21 27	141	+ 6 0.1	−11.4	59.4	5 3.5	2.17	23 30	3.1	11 40	1.2
12	11 16 46	136	+ 1 22.2	−11.7	58.7	5 54.7	2.10	—	—	12 8	1.1
13	12 10 39	134	− 3 14.2	−11.3	58.1	6 44.5	2.06	0 43	3.0	12 35	1.1

Mond 1921

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1921	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Juni 13.5	12 21 56	51 22	− 4 11.1	4 7.1	57 57.7	36.6	15 49.2	10.0	186.693	−1.663
14.5	13 13 18	51 22	− 8 18.2	3 38.2	57 21.1	34.8	15 39.2	9.5	200.054	−0.498
15.5	14 4 40	51 42	−11 56.4	2 59.8	56 46.3	32.4	15 29.7	8.8	213.155	+0.669
16.5	14 56 22	52 4	−14 56.2	2 13.5	56 13.9	29.7	15 20.9	8.1	226.028	+1.779
17.5	15 48 26	52 17	−17 9.7	1 22.1	55 44.2	26.9	15 12.8	7.3	238.704	+2.782
18.5	16 40 43	52 4	−18 31.8	0 27.8	55 17.3	23.8	15 5.5	6.5	251.206	+3.633
19.5	17 32 47	51 25	−18 59.6	0 25.7	54 53.5	20.2	14 59.0	5.5	263.551	+4.301
20.5	18 24 12	50 20	−18 33.9	1 16.0	54 33.3	15.8	14 53.5	4.3	275.754	+4.761
21.5	19 14 32	48 59	−17 17.9	2 0.6	54 17.5	10.5	14 49.2	2.9	287.830	+5.002
22.5	20 3 31	47 37	−15 17.3	2 38.3	54 7.0	4.1	14 46.3	1.1	299.799	+5.020
23.5	20 51 8	46 28	−12 39.0	3 8.5	54 2.9	3.4	14 45.2	0.9	311.690	+4.819
24.5	21 37 36	45 42	− 9 30.5	3 31.6	54 6.3	11.7	14 46.1	3.2	323.544	+4.411
25.5	22 23 18	45 28	− 5 58.9	3 47.3	54 18.0	21.0	14 49.3	5.8	335.413	+3.811
26.5	23 8 46	45 54	− 2 11.6	3 55.7	54 39.0	30.5	14 55.1	8.3	347.362	+3.040
27.5	23 54 40	47 4	+ 1 44.1	3 56.3	55 9.5	39.7	15 3.4	10.8	359.468	+2.122
28.5	0 41 44	48 59	+ 5 40.4	3 47.6	55 49.2	47.8	15 14.2	13.0	11.812	+1.088
29.5	1 30 43	51 36	+ 9 28.0	3 27.6	56 37.0	53.8	15 27.2	14.7	24.479	−0.025
30.5	2 22 19	54 45	+12 55.6	2 53.8	57 30.8	56.4	15 41.9	15.3	37.547	−1.171
Juli 1.5	3 17 4	58 0	+15 49.4	2 4.5	58 27.2	54.8	15 57.2	15.0	51.073	−2.289
2.5	4 15 4	60 51	+17 53.9	1 0.0	59 22.0	47.7	16 12.2	13.0	65.082	−3.308
3.5	5 15 55	62 38	+18 53.9	0 15.4	60 9.7	35.4	16 25.2	9.6	79.554	−4.149
4.5	6 18 33	62 57	+18 38.5	1 34.0	60 45.1	19.1	16 34.8	5.2	94.410	−4.734
5.5	7 21 30	61 50	+17 4.5	2 45.7	61 4.2	0.7	16 40.0	0.2	109.517	−5.002
6.5	8 23 20	59 46	+14 18.8	3 42.1	61 4.9	17.1	16 40.2	4.7	124.705	−4.919
7.5	9 23 6	57 22	+10 36.7	4 18.8	60 47.8	31.9	16 35.5	8.6	139.798	−4.494
8.5	10 20 28	55 9	+ 6 17.9	4 35.3	60 15.9	42.3	16 26.9	11.6	154.642	−3.771
9.5	11 15 37	53 25	+ 1 42.6	4 33.6	59 33.6	47.9	16 15.3	13.0	169.129	−2.818
10.5	12 9 2	52 19	− 2 51.0	4 17.1	58 45.7	49.3	16 2.3	13.5	183.207	−1.716
11.5	13 1 21	51 46	− 7 8.1	3 48.7	57 56.4	47.2	15 48.8	12.8	196.872	−0.545
12.5	13 53 7	51 39	−10 56.8	3 10.8	57 9.2	43.1	15 36.0	11.8	210.155	+0.624
13.5	14 44 46	51 44	−14 7.6	2 26.0	56 26.1	37.8	15 24.2	10.3	223.105	+1.730
14.5	15 36 30	51 48	−16 33.6	1 35.9	55 48.3	32.0	15 13.9	8.7	235.780	+2.726
15.5	16 28 18	51 41	−18 9.5	0 43.3	55 16.3	26.2	15 5.2	7.1	248.234	+3.572
16.5	17 19 59	51 13	−18 52.8	0 9.6	54 50.1	20.8	14 58.1	5.7	260.514	+4.238
17.5	18 11 12	50 22	−18 43.2	1 0.4	54 29.3	15.5	14 52.4	4.2	272.660	+4.702
18.5	19 1 34	49 15	−17 42.8	1 46.4	54 13.8	10.4	14 48.2	2.9	284.701	+4.951
19.5	19 50 49	48 0	−15 56.4	2 26.4	54 3.4	5.2	14 45.3	1.4	296.660	+4.980
20.5	20 38 49	46 49	−13 30.0	2 59.1	53 58.2	0.4	14 43.9	0.1	308.559	+4.791
21.5	21 25 38	45 55	−10 30.9	3 24.2	53 58.6	6.5	14 44.0	1.8	320.422	+4.394
22.5	22 11 33	45 24	− 7 6.7	3 41.6	54 5.1	13.3	14 45.8	3.6	332.277	+3.806
23.5	22 56 57	45 26	− 3 25.1	3 51.3	54 18.4	20.8	14 49.4	5.7	344.164	+3.049
24.5	23 42 23		+ 0 26.2		54 39.2		14 55.1		356.134	+2.151

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	0h Länge, +50° Breite: Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1921	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Juni 13	12 10 39	134	− 3 14.2	−11.3	58.1	6 44.5	2.06	0 43	3.0	12 35	1.1
14	13 3 49	133	− 7 34.4	−10.3	57.5	7 33.6	2.04	1 55	3.0	13 3	1.2
15	13 56 54	133	−11 35.7	− 8.9	56.9	8 22.6	2.05	3 5	2.9	13 33	1.3
16	14 50 19	134	−14 37.4	− 7.0	56.3	9 12.0	2.07	4 12	2.7	14 6	1.4
17	15 44 9	135	−17 0.7	− 4.9	55.8	10 1.7	2.08	5 16	2.6	14 43	1.6
18	16 38 14	135	−18 29.1	− 2.5	55.3	10 51.7	2.08	6 16	2.4	15 25	1.9
19	17 32 8	134	−18 59.6	− 0.1	54.9	11 41.5	2.06	7 10	2.1	16 13	2.1
20	18 25 17	132	−18 32.8	+ 2.3	54.5	12 30.6	2.02	7 58	1.8	17 6	2.3
21	19 17 14	128	−17 12.4	+ 4.4	54.3	13 18.5	1.97	8 39	1.6	18 2	2.4
22	20 7 42	124	−15 5.0	+ 6.2	54.1	14 4.9	1.90	9 14	1.4	19 1	2.5
23	20 56 40	121	−12 18.2	+ 7.7	54.0	14 49.8	1.84	9 44	1.2	20 1	2.5
24	21 44 25	118	− 9 0.4	+ 8.8	54.1	15 33.5	1.80	10 12	1.1	21 3	2.6
25	22 31 23	117	− 5 19.4	+ 9.6	54.4	16 16.4	1.78	10 37	1.0	22 5	2.6
26	23 18 14	118	− 1 23.1	+10.1	54.7	16 59.2	1.79	11 1	1.0	23 7	2.6
27	0 5 44	120	+ 2 40.6	+10.2	55.3	17 42.6	1.83	11 24	1.0	—	—
28	0 54 42	125	+ 6 42.9	+ 9.9	56.0	18 27.5	1.91	11 49	1.1	0 11	2.7
29	1 46 0	132	+10 33.4	+ 9.2	56.9	19 14.7	2.03	12 16	1.2	1 17	2.8
30	2 40 24	140	+13 58.6	+ 7.8	57.8	20 5.1	2.17	12 46	1.4	2 25	2.9
Juli 1	3 38 24	150	+16 42.6	+ 5.7	58.8	20 59.0	2.32	13 23	1.7	3 34	2.9
2	4 39 59	158	+18 27.3	+ 2.9	59.7	21 56.5	2.46	14 7	2.1	4 43	2.8
3	5 44 21	163	+18 56.7	− 0.5	60.5	22 56.7	2.55	15 2	2.5	5 50	2.7
4	6 50 0	164	+18 1.2	− 4.1	60.9	23 58.3	2.56	16 6	2.9	6 51	2.4
5	—	—	—	—	—	—	—	17 19	3.1	7 45	2.1
6	7 55 11	161	+15 42.9	− 7.3	61.1	0 59.3	2.51	18 36	3.3	8 30	1.7
7	8 58 25	155	+12 15.2	− 9.8	60.9	1 58.5	2.41	19 56	3.3	9 8	1.5
8	9 59 2	148	+ 7 58.9	−11.4	60.5	2 55.0	2.30	21 14	3.2	9 41	1.3
9	10 57 2	142	+ 3 17.2	−12.0	59.8	3 48.9	2.20	22 30	3.1	10 11	1.2
10	11 52 53	138	− 1 28.7	−11.7	59.0	4 40.7	2.13	23 44	3.0	10 40	1.2
11	12 47 18	135	− 6 1.0	−10.9	58.2	5 31.0	2.08	—	—	11 8	1.2
12	13 40 57	134	−10 6.0	− 9.5	57.3	6 20.6	2.06	0 55	2.9	11 37	1.3
13	14 34 21	134	−13 32.6	− 7.7	56.6	7 9.9	2.06	2 4	2.8	12 9	1.4
14	15 27 50	134	−16 12.5	− 5.6	55.9	7 59.3	2.06	3 9	2.6	12 45	1.6
15	16 21 26	134	−17 59.8	− 3.3	55.3	8 48.8	2.06	4 10	2.4	13 25	1.8
16	17 14 55	133	−18 50.9	− 0.9	54.9	9 38.2	2.05	5 6	2.2	14 10	2.0
17	18 7 55	132	−18 45.3	+ 1.4	54.5	10 27.1	2.02	5 55	1.9	15 0	2.2
18	19 0 1	129	−17 45.4	+ 3.6	54.2	11 15.2	1.98	6 38	1.7	15 55	2.4
19	19 50 53	125	−15 56.2	+ 5.5	54.1	12 2.0	1.92	7 16	1.5	16 53	2.5
20	20 40 22	122	−13 24.6	+ 7.1	54.0	12 47.4	1.86	7 48	1.3	17 53	2.5
21	21 28 35	119	−10 18.6	+ 8.3	54.0	13 31.5	1.82	8 16	1.1	18 54	2.6
22	22 15 48	117	− 6 46.6	+ 9.3	54.1	14 14.7	1.79	8 42	1.0	19 56	2.6
23	23 2 32	117	− 2 57.0	+ 9.8	54.3	14 57.4	1.78	9 6	1.0	20 58	2.6
24	23 49 23	118	+ 1 1.9	+10.0	54.7	15 40.1	1.80	9 30	1.0	22 0	2.6

Mond 1921

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1921	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Juli 24.5	23 42 23	46 6	+ 0 26.2	3 53.2	54 39.2	28.9	14 55.1	7.9	356.134	+2.151
25.5	0 28 29	47 27	+ 4 19.4	3 46.5	55 8.1	37.1	15 3.0	10.1	8.248	+1.144
26.5	1 15 56	49 27	+ 8 5.9	3 30.3	55 45.2	45.0	15 13.1	12.3	20.579	+0.064
27.5	2 5 23	52 6	+11 36.2	3 2.6	56 30.2	51.5	15 25.4	14.0	33.205	−1.046
28.5	2 57 29	55 8	+14 38.8	2 21.9	57 21.7	55.8	15 39.4	15.2	46.206	−2.134
29.5	3 52 37	58 10	+17 0.7	1 27.2	58 17.5	56.3	15 54.6	15.3	59.647	−3.141
30.5	4 50 47	60 43	+18 27.9	0 19.8	59 13.8	52.1	16 9.9	14.2	73.572	−4.000
31.5	5 51 30	62 13	+18 47.7	0 55.8	60 5.9	42.2	16 24.1	11.5	87.981	−4.637
Aug. 1.5	6 53 43	62 25	+17 51.9	2 11.4	60 48.1	27.0	16 35.6	7.4	102.819	−4.986
2.5	7 56 8	61 25	+15 40.5	3 18.0	61 15.1	8.2	16 43.0	2.2	117.973	−4.997
3.5	8 57 33	59 39	+12 22.5	4 7.4	61 23.3	11.9	16 45.2	3.2	133.276	−4.653
4.5	9 57 12	57 38	+ 8 15.1	4 35.9	61 11.4	30.1	16 42.0	8.2	148.540	−3.978
5.5	10 54 50	55 49	+ 3 39.2	4 42.9	60 41.3	44.3	16 33.8	12.1	163.586	−3.033
6.5	11 50 39	54 22	− 1 3.7	4 31.3	59 57.0	52.9	16 21.7	14.4	178.276	−1.905
7.5	12 45 1	53 23	− 5 35.0	4 4.6	59 4.1	56.2	16 7.3	15.3	192.527	−0.686
8.5	13 38 24	52 49	− 9 39.6	3 26.7	58 7.9	54.8	15 52.0	15.0	206.315	+0.537
9.5	14 31 13	52 28	−13 6.3	2 41.2	57 13.1	50.1	15 37.0	13.6	219.658	+1.692
10.5	15 23 41	52 12	−15 47.5	1 50.7	56 23.0	43.4	15 23.4	11.8	232.607	+2.726
11.5	16 15 53	51 49	−17 38.2	0 57.9	55 39.6	35.5	15 11.6	9.7	245.225	+3.599
12.5	17 7 42	51 14	−18 36.1	0 5.0	55 4.1	27.5	15 1.9	7.5	257.583	+4.284
13.5	17 58 56	50 24	−18 41.1	0 45.8	54 36.6	19.7	14 54.4	5.4	269.745	+4.762
14.5	18 49 20	49 21	−17 55.3	1 32.7	54 16.9	12.5	14 49.0	3.4	281.770	+5.023
15.5	19 38 41	48 14	−16 22.6	2 14.1	54 4.4	6.1	14 45.6	1.6	293.706	+5.062
16.5	20 26 55	47 9	−14 8.5	2 49.0	53 58.3	0.2	14 44.0	0.1	305.592	+4.881
17.5	21 14 4	46 15	−11 19.5	3 16.5	53 58.1	5.2	14 43.9	1.4	317.460	+4.490
18.5	22 0 19	45 42	− 8 3.0	3 36.5	54 3.3	10.4	14 45.3	2.8	329.336	+3.902
19.5	22 46 1	45 34	− 4 26.5	3 48.2	54 13.7	15.7	14 48.1	4.3	341.247	+3.141
20.5	23 31 35	45 56	− 0 38.3	3 51.8	54 29.4	21.1	14 52.4	5.8	353.223	+2.235
21.5	0 17 31	46 53	+ 3 13.5	3 46.6	54 50.5	26.9	14 58.2	7.3	5.299	+1.219
22.5	1 4 24	48 24	+ 7 0.1	3 32.1	55 17.4	33.0	15 5.5	9.0	17.519	+0.133
23.5	1 52 48	50 26	+10 32.2	3 7.2	55 50.4	39.1	15 14.5	10.7	29.937	−0.980
24.5	2 43 14	52 54	+13 39.4	2 31.1	56 29.5	44.6	15 25.2	12.1	42.611	−2.068
25.5	3 36 8	55 30	+16 10.5	1 43.2	57 14.1	48.8	15 37.3	13.3	55.605	−3.079
26.5	4 31 38	57 56	+17 53.7	0 43.9	58 2.9	50.5	15 50.6	13.8	68.977	−3.953
27.5	5 29 34	59 46	+18 37.6	0 24.1	58 53.4	48.6	16 4.4	13.2	82.767	−4.629
28.5	6 29 20	60 43	+18 13.5	1 36.1	59 42.0	42.3	16 17.6	11.5	96.990	−5.045
29.5	7 30 3	60 42	+16 37.4	2 44.7	60 24.3	30.7	16 29.1	8.4	111.615	−5.150
30.5	8 30 45	59 54	+13 52.7	3 42.4	60 55.0	14.9	16 37.5	4.1	126.562	−4.912
31.5	9 30 39	58 39	+10 10.3	4 23.0	61 9.9	3.7	16 41.6	1.0	141.704	−4.331
Sept. 1.5	10 29 18	57 19	+ 5 47.3	4 42.9	61 6.2	22.3	16 40.6	6.1	156.876	−3.445
2.5	11 26 37	56 9	+ 1 4.4	4 41.9	60 43.9	38.4	16 34.5	10.5	171.911	−2.324
3.5	12 22 46		− 3 37.5		60 5.5		16 24.0		186.661	−1.066

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	0h Länge, +50° Breite: Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1921	h m s	s	° '	'	'	h m	m	h m	m	h m	m
Juli 24	23 49 23	118	+ 1 1.9	+10.0	54.7	15 40.1	1.80	9 30	1.0	22 0	2.6
25	0 37 3	121	+ 5 1.6	+ 9.9	55.2	16 23.8	1.85	9 54	1.0	23 4	2.7
26	1 26 21	126	+ 8 52.8	+ 9.3	55.9	17 9.0	1.93	10 19	1.1	—	—
27	2 18 2	133	+12 24.5	+ 8.2	56.7	17 56.6	2.04	10 47	1.3	0 10	2.8
28	3 12 46	141	+15 23.7	+ 6.6	57.6	18 47.2	2.18	11 20	1.5	1 16	2.8
29	4 10 56	150	+17 35.3	+ 4.3	58.6	19 41.3	2.33	11 59	1.8	2 23	2.8
30	5 12 24	157	+18 43.4	+ 1.3	59.6	20 38.7	2.45	12 47	2.2	3 29	2.7
31	6 16 23	162	+18 34.6	— 2.1	60.4	21 38.6	2.53	13 45	2.6	4 32	2.5
Aug. 1	7 21 29	163	+17 2.5	— 5.5	61.0	22 39.6	2.54	14 52	3.0	5 29	2.2
2	8 26 11	160	+14 11.6	— 8.6	61.4	23 40.1	2.49	16 7	3.2	6 19	1.9
3	—	—	—	—	—	—	—	17 27	3.4	7 1	1.6
4	9 29 15	155	+10 17.0	—10.8	61.3	0 39.1	2.41	18 48	3.4	7 38	1.4
5	10 30 6	149	+ 5 40.9	—12.0	60.9	1 35.9	2.32	20 8	3.3	8 11	1.3
6	11 28 46	144	+ 0 47.8	—12.2	60.3	2 30.4	2.23	21 25	3.2	8 41	1.2
7	12 25 38	140	— 4 0.0	—11.6	59.4	3 23.2	2.17	22 40	3.0	9 10	1.2
8	13 21 14	138	— 8 24.2	—10.3	58.4	4 14.7	2.13	23 51	2.9	9 40	1.3
9	14 16 3	136	—12 11.2	— 8.5	57.5	5 5.5	2.10	—	—	10 12	1.4
10	15 10 26	136	—15 11.3	— 6.4	56.6	5 55.8	2.09	0 59	2.7	10 47	1.5
11	16 4 31	135	—17 18.5	— 4.1	55.8	6 45.8	2.08	2 2	2.5	11 26	1.7
12	16 58 13	134	—18 29.4	— 1.8	55.2	7 35.4	2.05	3 0	2.3	12 9	1.9
13	17 51 18	132	—18 43.7	+ 0.6	54.7	8 24.4	2.02	3 52	2.0	12 57	2.1
14	18 43 31	129	—18 3.1	+ 2.8	54.3	9 12.5	1.98	4 37	1.7	13 50	2.3
15	19 34 36	126	—16 32.0	+ 4.8	54.1	9 59.6	1.93	5 16	1.5	14 47	2.4
16	20 24 27	123	—14 16.4	+ 6.5	54.0	10 45.3	1.88	5 50	1.3	15 46	2.5
17	21 13 5	120	—11 23.4	+ 7.9	54.0	11 29.9	1.83	6 20	1.2	16 46	2.5
18	22 0 45	118	— 8 1.0	+ 8.9	54.1	12 13.5	1.80	6 47	1.1	17 48	2.6
19	22 47 48	117	— 4 17.8	+ 9.6	54.2	12 56.5	1.79	7 12	1.0	18 50	2.6
20	23 34 44	118	— 0 22.3	+ 9.9	54.5	13 39.4	1.79	7 36	1.0	19 53	2.6
21	0 22 7	120	+ 3 36.3	+ 9.9	54.9	14 22.7	1.82	8 0	1.0	20 56	2.6
22	1 10 36	123	+ 7 28.7	+ 9.4	55.4	15 7.1	1.88	8 25	1.1	22 0	2.7
23	2 0 49	128	+11 4.5	+ 8.5	55.9	15 53.3	1.97	8 52	1.2	23 5	2.7
24	2 53 23	135	+14 12.2	+ 7.1	56.6	16 41.8	2.08	9 22	1.4	—	—
25	3 48 44	142	+16 39.1	+ 5.1	57.4	17 33.0	2.20	9 58	1.6	0 11	2.7
26	4 46 59	149	+18 11.8	+ 2.5	58.3	18 27.2	2.31	10 41	1.9	1 16	2.6
27	5 47 50	155	+18 37.8	— 0.5	59.1	19 23.9	2.41	11 32	2.3	2 18	2.5
28	6 50 27	158	+17 48.1	— 3.7	60.0	20 22.5	2.46	12 33	2.7	3 15	2.3
29	7 53 47	158	+15 40.9	— 6.9	60.6	21 21.7	2.46	13 42	3.0	4 7	2.0
30	8 56 42	156	+12 23.1	— 9.5	61.1	22 20.5	2.43	14 58	3.2	4 52	1.7
31	9 58 26	152	+ 8 10.3	—11.4	61.2	23 18.1	2.37	16 17	3.3	5 31	1.5
Sept. 1	—	—	—	—	—	—	—	17 38	3.4	6 6	1.4
2	10 58 41	149	+ 3 24.2	—12.3	61.0	0 14.3	2.31	18 58	3.3	6 38	1.3
3	11 57 31	146	— 1 31.4	—12.2	60.4	1 9.0	2.25	20 16	3.2	7 9	1.3

Mittlere Zeit Greenwich	Scheinbare Rektaszension h m s	Diff. m s	Scheinbare Deklination ° ′	Diff. ° ′	Parallaxe ′ ″	Diff. ″	Halbmesser ′ ″	Diff. ″	Länge °	Breite °
1921										
Sept. 3.5	12 22 46	55 15	− 3 37.5	4 22.0	60 5.5	49.9	16 24.0	13.6	186.661	−1.066
4.5	13 18 1	54 36	− 7 59.5	3 47.2	59 15.6	56.0	16 10.4	15.2	201.019	+0.231
5.5	14 12 37	54 4	−11 46.7	3 1.8	58 19.6	56.9	15 55.2	15.5	214.931	+1.476
6.5	15 6 41	53 32	−14 48.5	2 9.9	57 22.7	53.4	15 39.7	14.6	228.389	+2.599
7.5	16 0 13	52 52	−16 58.4	1 15.2	56 29.3	46.8	15 25.1	12.7	241.423	+3.552
8.5	16 53 5	52 0	−18 13.6	0 20.6	55 42.5	38.4	15 12.4	10.5	254.088	+4.301
9.5	17 45 5	50 55	−18 34.2	0 31.5	55 4.1	29.0	15 1.9	7.9	266.453	+4.831
10.5	18 36 0	49 44	−18 2.7	1 19.4	54 35.1	19.6	14 54.0	5.4	278.591	+5.134
11.5	19 25 44	48 30	−16 43.3	2 2.0	54 15.5	10.6	14 48.6	2.8	290.573	+5.207
12.5	20 14 14	47 23	−14 41.3	2 38.5	54 4.9	2.5	14 45.8	0.7	302.465	+5.056
13.5	21 1 37	46 31	−12 2.8	3 8.2	54 2.4	4.6	14 45.1	1.2	314.325	+4.689
14.5	21 48 8	45 58	− 8 54.6	3 30.7	54 7.0	10.7	14 46.3	2.9	326.201	+4.118
15.5	22 34 6	45 51	− 5 23.9	3 45.4	54 17.7	15.6	14 49.2	4.3	338.133	+3.366
16.5	23 19 57	46 11	− 1 38.5	3 51.8	54 33.3	19.8	14 53.5	5.4	350.155	+2.457
17.5	0 6 8	47 2	+ 2 13.3	3 49.1	54 53.1	23.4	14 58.9	6.4	2.293	+1.428
18.5	0 53 10	48 20	+ 6 2.4	3 36.5	55 16.5	26.6	15 5.3	7.2	14.573	+0.319
19.5	1 41 30	50 5	+ 9 38.9	3 13.4	55 43.1	29.6	15 12.5	8.1	27.023	−0.822
20.5	2 31 35	52 6	+12 52.3	2 39.2	56 12.7	32.6	15 20.6	8.9	39.668	−1.942
21.5	3 23 41	54 15	+15 31.5	1 54.0	56 45.3	35.4	15 29.5	9.6	52.541	−2.985
22.5	4 17 56	56 13	+17 25.5	0 58.7	57 20.7	37.7	15 39.1	10.3	65.673	−3.893
23.5	5 14 9	57 43	+18 24.2	0 4.2	57 58.4	38.6	15 49.4	10.5	79.095	−4.610
24.5	6 11 52	58 35	+18 20.0	1 10.9	58 37.0	37.5	15 59.9	10.2	92.828	−5.084
25.5	7 10 27	58 44	+17 9.1	2 16.3	59 14.5	33.6	16 10.1	9.2	106.878	−5.269
26.5	8 9 11	58 19	+14 52.8	3 14.7	59 48.1	26.2	16 19.3	7.1	121.229	−5.133
27.5	9 7 30	57 36	+11 38.1	4 0.8	60 14.3	15.1	16 26.4	4.1	135.830	−4.668
28.5	10 5 6	56 50	+ 7 37.3	4 30.2	60 29.4	1.1	16 30.5	0.3	150.600	−3.890
29.5	11 1 56	56 12	+ 3 7.1	4 40.9	60 30.5	14.3	16 30.8	3.9	165.429	−2.849
30.5	11 58 8	55 47	− 1 33.8	4 32.1	60 16.2	29.0	16 26.9	7.9	180.193	−1.620
Okt. 1.5	12 53 55	55 33	− 6 5.9	4 5.6	59 47.2	41.0	16 19.0	11.1	194.768	−0.300
2.5	13 49 28	55 22	−10 11.5	3 24.8	59 6.2	49.0	16 7.9	13.4	209.050	+1.014
3.5	14 44 50	55 2	−13 36.3	2 33.8	58 17.2	52.3	15 54.5	14.2	222.966	+2.234
4.5	15 39 52	54 26	−16 10.1	1 37.6	57 24.9	51.2	15 40.3	14.0	236.479	+3.293
5.5	16 34 18	53 27	−17 47.7	0 40.2	56 33.7	46.3	15 26.3	12.6	249.591	+4.146
6.5	17 27 45	52 10	−18 27.9	0 14.9	55 47.4	38.8	15 13.7	10.6	262.330	+4.768
7.5	18 19 55	50 40	−18 13.0	1 5.3	55 8.6	29.6	15 3.1	8.1	274.749	+5.148
8.5	19 10 35	49 9	−17 7.7	1 49.9	54 39.0	19.5	14 55.0	5.3	286.915	+5.289
9.5	19 59 44	47 47	−15 17.8	2 27.8	54 19.5	9.2	14 49.7	2.5	298.903	+5.196
10.5	20 47 31	46 43	−12 50.0	2 59.3	54 10.3	0.4	14 47.2	0.1	310.789	+4.881
11.5	21 34 14	46 3	− 9 50.7	3 23.8	54 10.7	9.2	14 47.3	2.5	322.647	+4.359
12.5	22 20 17	45 53	− 6 26.9	3 41.3	54 19.9	16.6	14 49.8	4.6	334.545	+3.647
13.5	23 6 10	46 13	− 2 45.6	3 51.1	54 36.5	22.4	14 54.4	6.1	346.543	+2.771
14.5	23 52 23		+ 1 5.5		54 58.9		15 0.5		358.689	+1.759

Tag	Obere Kulmination in Greenwich							0^h Länge, +50° Breite			
	AR.	Änderung für 1^h westl. Länge	Dekl.	Änderung für 1^h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1^h westl. Länge	Aufgang	Änderung für 1^h westl. Länge	Untergang	Änderung für 1^h westl. Länge
1921	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Sept. 3	11 57 31	146	− 1 31.4	−12.2	60.4	1 9.0	2.25	20 16	3.2	7 9	1.3
4	12 55 12	143	− 6 14.2	−11.2	59.6	2 2.6	2.21	21 31	3.1	7 39	1.3
5	13 52 2	141	−10 25.6	− 9.6	58.7	2 55.4	2.18	22 43	2.9	8 11	1.4
6	14 48 15	140	−13 51.9	− 7.5	57.7	3 47.5	2.16	23 50	2.7	8 46	1.5
7	15 43 54	138	−16 24.4	− 5.2	56.8	4 39.1	2.13	—	—	9 24	1.7
8	16 38 51	136	−17 58.7	− 2.7	55.9	5 29.9	2.10	0 51	2.4	10 6	1.9
9	17 32 54	134	−18 34.1	− 0.3	55.2	6 19.9	2.06	1 46	2.1	10 54	2.1
10	18 25 48	131	−18 13.1	+ 2.0	54.7	7 8.7	2.01	2 34	1.8	11 46	2.2
11	19 17 24	127	−16 59.9	+ 4.1	54.3	7 56.3	1.95	3 15	1.6	12 41	2.4
12	20 7 38	124	−15 0.3	+ 5.9	54.1	8 42.4	1.90	3 51	1.4	13 39	2.5
13	20 56 38	121	−12 21.1	+ 7.4	54.0	9 27.4	1.85	4 23	1.2	14 39	2.5
14	21 44 38	119	− 9 9.7	+ 8.5	54.1	10 11.3	1.81	4 51	1.1	15 40	2.6
15	22 32 1	118	− 5 33.9	+ 9.4	54.3	10 54.6	1.80	5 16	1.0	16 42	2.6
16	23 19 15	118	− 1 42.0	+ 9.9	54.6	11 37.8	1.80	5 41	1.0	17 45	2.6
17	0 6 50	120	+ 2 16.8	+10.0	54.9	12 21.3	1.83	6 6	1.0	18 48	2.7
18	0 55 20	123	+ 6 12.6	+ 9.6	55.3	13 5.7	1.88	6 30	1.1	19 52	2.7
19	1 45 19	127	+ 9 54.9	+ 8.8	55.8	13 51.7	1.95	6 56	1.2	20 57	2.7
20	2 37 15	133	+13 11.8	+ 7.5	56.3	14 39.5	2.04	7 26	1.3	22 3	2.7
21	3 31 27	139	+15 51.1	+ 5.7	56.8	15 29.6	2.14	8 0	1.5	23 8	2.6
22	4 28 2	144	+17 40.5	+ 3.4	57.5	16 22.1	2.23	8 40	1.8	—	—
23	5 26 44	149	+18 28.9	+ 0.6	58.1	17 16.7	2.31	9 27	2.1	0 10	2.5
24	6 26 59	152	+18 8.1	− 2.4	58.8	18 12.9	2.36	10 22	2.5	1 8	2.3
25	7 28 0	153	+16 35.1	− 5.4	59.4	19 9.8	2.38	11 26	2.8	2 0	2.0
26	8 28 58	152	+13 53.0	− 8.1	60.0	20 6.7	2.36	12 37	3.0	2 46	1.8
27	9 29 19	150	+10 11.9	−10.2	60.4	21 2.9	2.33	13 52	3.2	3 26	1.6
28	10 28 48	148	+ 5 47.6	−11.6	60.5	21 58.3	2.29	15 10	3.3	4 1	1.4
29	11 27 29	146	+ 0 59.8	−12.2	60.4	22 52.9	2.26	16 29	3.3	4 34	1.3
30	12 25 33	145	− 3 49.6	−11.8	60.1	23 46.9	2.24	17 47	3.2	5 5	1.3
Okt. 1	—	—	—	—	—	—	—	19 4	3.1	5 35	1.3
2	13 23 17	144	− 8 19.9	−10.6	59.4	0 40.5	2.23	20 19	3.0	6 7	1.4
3	14 20 48	144	−12 13.0	− 8.7	58.7	1 34.0	2.22	21 30	2.8	6 41	1.5
4	15 18 2	143	−15 15.5	− 6.4	57.8	2 27.1	2.20	22 36	2.6	7 18	1.6
5	16 14 44	141	−17 19.1	− 3.9	56.9	3 19.7	2.18	23 35	2.3	8 0	1.8
6	17 10 29	138	−18 21.0	− 1.3	56.0	4 11.4	2.13	—	—	8 46	2.0
7	18 4 55	134	−18 22.8	+ 1.1	55.3	5 1.7	2.07	0 27	2.0	9 37	2.2
8	18 57 44	130	−17 28.9	+ 3.3	54.8	5 50.5	2.00	1 12	1.7	10 32	2.4
9	19 48 52	126	−15 46.0	+ 5.2	54.4	6 37.5	1.93	1 50	1.5	11 30	2.4
10	20 38 25	122	−13 21.1	+ 6.8	54.2	7 23.0	1.87	2 23	1.3	12 29	2.5
11	21 26 44	120	−10 21.6	+ 8.1	54.2	8 7.3	1.82	2 52	1.2	13 30	2.5
12	22 14 15	118	− 6 54.9	+ 9.1	54.3	8 50.7	1.80	3 19	1.1	14 31	2.6
13	23 1 30	118	− 3 8.6	+ 9.7	54.6	9 33.9	1.80	3 44	1.0	15 33	2.6
14	23 49 5	120	+ 0 48.9	+10.0	55.0	10 17.4	1.83	4 8	1.0	16 37	2.7

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1921	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Okt. 14.5	23 52 23	47 7	+ 1 5.5	3 52.2	54 58.9	26.5	15 0.5	7.2	358.689	+1.759
15.5	0 39 30	48 30	+ 4 57.7	3 43.2	55 25.4	28.9	15 7.7	7.9	11.022	+0.650
16.5	1 28 0	50 18	+ 8 40.9	3 23.2	55 54.3	30.0	15 15.6	8.1	23.568	−0.508
17.5	2 18 18	52 22	+12 4.1	2 51.3	56 24.3	29.7	15 23.7	8.1	36.341	−1.662
18.5	3 10 40	54 25	+14 55.4	2 7.2	56 54.0	28.8	15 31.8	7.9	49.346	−2.750
19.5	4 5 5	56 12	+17 2.6	1 12.8	57 22.8	27.4	15 39.7	7.5	62.579	−3.709
20.5	5 1 17	57 26	+18 15.4	0 10.6	57 50.2	25.8	15 47.2	7.0	76.033	−4.481
21.5	5 58 43	57 54	+18 26.0	0 54.7	58 16.0	23.9	15 54.2	6.5	89.693	−5.013
22.5	6 56 37	57 42	+17 31.3	1 58.4	58 39.9	21.5	16 0.7	5.9	103.544	−5.262
23.5	7 54 19	56 59	+15 32.9	2 55.4	59 1.4	18.0	16 6.6	4.9	117.566	−5.205
24.5	8 51 18	56 4	+12 37.5	3 41.7	59 19.4	13.2	16 11.5	3.6	131.735	−4.833
25.5	9 47 22	55 15	+ 8 55.8	4 14.2	59 32.6	6.4	16 15.1	1.7	146.016	−4.162
26.5	10 42 37	54 44	+ 4 41.6	4 31.2	59 39.0	2.1	16 16.8	0.6	160.368	−3.228
27.5	11 37 21	54 35	+ 0 10.4	4 31.2	59 36.9	12.0	16 16.2	3.2	174.733	−2.091
28.5	12 31 56	54 46	− 4 20.8	4 14.5	59 24.9	22.3	16 13.0	6.1	189.046	−0.827
29.5	13 26 42	55 6	− 8 35.3	3 42.1	59 2.6	31.7	16 6.9	8.7	203.233	+0.476
30.5	14 21 48	55 22	−12 17.4	2 56.8	58 30.9	38.9	15 58.2	10.6	217.220	+1.731
31.5	15 17 10	55 18	−15 14.2	2 2.7	57 52.0	43.1	15 47.6	11.7	230.945	+2.860
Nov. 1.5	16 12 28	54 44	−17 16.9	1 4.2	57 8.9	43.8	15 35.9	11.9	244.360	+3.803
2.5	17 7 12	53 37	−18 21.1	0 6.1	56 25.1	41.3	15 24.0	11.3	257.442	+4.521
3.5	18 0 49	52 4	−18 27.2	0 48.1	55 43.8	35.6	15 12.7	9.7	270.193	+4.993
4.5	18 52 53	50 19	−17 39.1	1 36.0	55 8.2	27.8	15 3.0	7.6	282.640	+5.217
5.5	19 43 12	48 35	−16 3.1	2 16.6	54 40.4	18.4	14 55.4	5.0	294.832	+5.198
6.5	20 31 47	47 9	−13 46.5	2 49.9	54 22.0	8.0	14 50.4	2.2	306.832	+4.951
7.5	21 18 56	46 7	−10 56.6	3 16.1	54 14.0	2.5	14 48.2	0.7	318.717	+4.493
8.5	22 5 3	45 39	− 7 40.5	3 35.4	54 16.5	12.6	14 48.9	3.4	330.567	+3.845
9.5	22 50 42	45 47	− 4 5.1	3 47.9	54 29.1	21.8	14 52.3	6.0	342.465	+3.030
10.5	23 36 29	46 35	− 0 17.2	3 52.7	54 50.9	29.4	14 58.3	8.0	354.491	+2.073
11.5	0 23 4	47 59	+ 3 35.5	3 48.6	55 20.3	34.8	15 6.3	9.5	6.715	+1.008
12.5	1 11 3	49 57	+ 7 24.1	3 33.8	55 55.1	37.7	15 15.8	10.3	19.197	−0.126
13.5	2 1 0	52 19	+10 57.9	3 6.8	56 32.8	37.8	15 26.1	10.3	31.977	−1.277
14.5	2 53 19	54 47	+14 4.7	2 26.4	57 10.6	35.5	15 36.4	9.6	45.075	−2.388
15.5	3 48 6	56 58	+16 31.1	1 33.3	57 46.1	30.7	15 46.0	8.4	58.484	−3.392
16.5	4 45 4	58 30	+18 4.4	0 30.1	58 16.8	24.6	15 54.4	6.7	72.173	−4.221
17.5	5 43 34	59 4	+18 34.5	0 37.9	58 41.4	17.7	16 1.1	4.8	86.092	−4.816
18.5	6 42 38	58 39	+17 56.6	1 44.5	58 59.1	11.0	16 5.9	3.0	100.175	−5.128
19.5	7 41 17	57 31	+16 12.1	2 43.8	59 10.1	4.8	16 8.9	1.3	114.353	−5.130
20.5	8 38 48	56 2	+13 28.3	3 31.3	59 14.9	0.4	16 10.2	0.1	128.563	−4.818
21.5	9 34 50	54 40	+ 9 57.0	4 4.9	59 14.5	5.0	16 10.1	1.3	142.755	−4.212
22.5	10 29 30	53 38	+ 5 52.1	4 23.4	59 9.5	9.3	16 8.8	2.6	156.893	−3.352
23.5	11 23 8	53 9	+ 1 28.7	4 26.9	59 0.2	13.5	16 6.2	3.7	170.952	−2.294
24.5	12 16 17		− 2 58.2		58 46.7		16 2.5		184.916	−1.107

Tag	Obere Kulmination in Greenwich							0h Länge, +50° Breite			
	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1921	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Okt. 14	23 49 5	120	+ 0 48.9	+10.0	55.0	10 17.4	1.83	4 8	1.0	16 37	2.7
15	0 37 35	123	+ 4 48.4	+ 9.9	55.4	11 1.9	1.88	4 33	1.0	17 42	2.7
16	1 27 35	127	+ 8 39.1	+ 9.3	55.9	11 47.8	1.95	4 59	1.1	18 47	2.8
17	2 19 35	133	+12 8.8	+ 8.1	56.4	12 35.7	2.04	5 28	1.3	19 54	2.8
18	3 13 51	139	+15 4.3	+ 6.4	56.9	13 25.9	2.14	6 1	1.5	21 0	2.7
19	4 10 25	144	+17 12.1	+ 4.2	57.4	14 18.4	2.23	6 40	1.7	22 4	2.6
20	5 8 55	148	+18 20.6	+ 1.5	57.9	15 12.8	2.30	7 25	2.0	23 3	2.3
21	6 8 41	150	+18 21.3	− 1.5	58.3	16 8.5	2.33	8 18	2.4	23 57	2.1
22	7 8 52	150	+17 11.4	− 4.4	58.7	17 4.6	2.33	9 19	2.7	—	—
23	8 8 39	148	+14 54.0	− 7.0	59.1	18 0.3	2.30	10 26	2.9	0 44	1.8
24	9 7 33	146	+11 37.8	− 9.2	59.4	18 55.1	2.26	11 38	3.0	1 25	1.6
25	10 5 26	144	+ 7 35.9	−10.8	59.6	19 48.9	2.23	12 52	3.1	2 1	1.4
26	11 2 30	142	+ 3 4.4	−11.7	59.7	20 41.8	2.20	14 8	3.2	2 33	1.3
27	11 59 7	141	− 1 38.7	−11.8	59.6	21 34.4	2.19	15 24	3.2	3 3	1.2
28	12 55 44	142	− 6 14.6	−11.1	59.3	22 26.9	2.19	16 40	3.2	3 33	1.2
29	13 52 40	143	−10 25.0	− 9.7	58.8	23 19.7	2.21	17 55	3.1	4 3	1.3
30	—	—	—	—	—	—	—	19 8	3.0	4 35	1.4
31	14 49 58	144	−13 53.7	− 7.6	58.2	0 13.0	2.22	20 17	2.8	5 11	1.6
Nov. 1	15 47 24	143	−16 28.3	− 5.2	57.5	1 6.3	2.22	21 20	2.5	5 51	1.8
2	16 44 28	142	−18 1.5	− 2.6	56.7	1 59.3	2.19	22 16	2.2	6 36	2.0
3	17 40 33	138	−18 31.6	0.0	56.0	2 51.3	2.14	23 5	1.9	7 26	2.2
4	18 35 3	134	−18 1.5	+ 2.4	55.3	3 41.7	2.06	23 47	1.6	8 20	2.3
5	19 27 40	129	−16 37.8	+ 4.5	54.8	4 30.2	1.98	—	—	9 17	2.4
6	20 18 21	124	−14 28.4	+ 6.2	54.4	5 16.8	1.91	0 23	1.4	10 16	2.5
7	21 7 19	121	−11 41.6	+ 7.6	54.2	6 1.8	1.84	0 54	1.2	11 17	2.5
8	21 55 2	118	− 8 25.3	+ 8.7	54.3	6 45.4	1.80	1 21	1.1	12 18	2.5
9	22 42 6	117	− 4 46.9	+ 9.5	54.4	7 28.4	1.79	1 46	1.0	13 19	2.6
10	23 29 11	118	− 0 53.9	+ 9.9	54.8	8 11.4	1.80	2 10	1.0	14 22	2.6
11	0 17 1	121	+ 3 5.7	+10.0	55.3	8 55.2	1.85	2 35	1.0	15 26	2.7
12	1 6 19	126	+ 7 2.4	+ 9.7	55.9	9 40.5	1.93	3 0	1.1	16 32	2.8
13	1 57 44	132	+10 44.9	+ 8.8	56.5	10 27.8	2.03	3 28	1.2	17 39	2.8
14	2 51 45	138	+13 59.7	+ 7.3	57.2	11 17.7	2.14	3 59	1.4	18 46	2.8
15	3 48 30	145	+16 32.0	+ 5.2	57.8	12 10.4	2.25	4 36	1.7	19 53	2.7
16	4 47 42	151	+18 7.2	+ 2.6	58.3	13 5.5	2.34	5 19	2.0	20 56	2.5
17	5 48 34	153	+18 34.0	− 0.4	58.7	14 2.3	2.38	6 11	2.3	21 53	2.2
18	6 49 59	153	+17 47.1	− 3.5	59.0	14 59.6	2.38	7 11	2.6	22 44	2.0
19	7 50 49	151	+15 49.0	− 6.3	59.2	15 56.3	2.34	8 17	2.8	23 27	1.7
20	8 50 16	147	+12 48.9	− 8.6	59.3	16 51.7	2.27	9 28	3.0	—	—
21	9 48 4	142	+ 9 0.7	−10.3	59.2	17 45.4	2.20	10 42	3.1	0 4	1.5
22	10 44 23	139	+ 4 40.6	−11.3	59.1	18 37.6	2.15	11 56	3.1	0 37	1.3
23	11 39 44	138	+ 0 5.2	−11.6	58.9	19 28.9	2.12	13 10	3.1	1 7	1.2
24	12 34 43	138	− 4 29.0	−11.2	58.7	20 19.8	2.12	14 24	3.1	1 36	1.2

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1921	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Nov. 24.5	12 16 17	53 11	— 2 58.2	4 15.7	58 46.7	18.0	16 2.5	4.9	184.916	—1.107
25.5	13 9 28	53 36	— 7 13.9	3 50.2	58 28.7	22.7	15 57.6	6.1	198.769	+0.135
26.5	14 3 4	54 13	—11 4.1	3 12.1	58 6.0	27.2	15 51.5	7.5	212.489	+1.354
27.5	14 57 17	54 41	—14 16.2	2 23.5	57 38.8	31.2	15 44.0	8.5	226.050	+2.480
28.5	15 51 58	54 45	—16 39.7	1 27.9	57 7.6	33.7	15 35.5	9.1	239.420	+3.451
29.5	16 46 43	54 14	—18 7.6	0 29.6	56 33.9	34.5	15 26.4	9.4	252.569	+4.218
30.5	17 40 57	53 6	—18 37.2	0 27.2	55 59.4	33.0	15 17.0	9.0	265.471	+4.752
Dez. 1.5	18 34 3	51 29	—18 10.0	1 18.8	55 26.4	29.4	15 8.0	8.0	278.115	+5.040
2.5	19 25 32	49 41	—16 51.2	2 3.1	54 57.0	23.4	15 0.0	6.4	290.507	+5.083
3.5	20 15 13	47 56	—14 48.1	2 39.5	54 33.6	15.6	14 53.6	4.3	302.673	+4.893
4.5	21 3 9	46 30	—12 8.6	3 7.8	54 18.0	6.4	14 49.3	1.7	314.657	+4.489
5.5	21 49 39	45 35	— 9 0.8	3 28.8	54 11.6	3.8	14 47.6	1.0	326.523	+3.895
6.5	22 35 14	45 16	— 5 32.0	3 42.7	54 15.4	14.3	14 48.6	3.9	338.344	+3.135
7.5	23 20 30	45 38	— 1 49.3	3 49.8	54 29.7	24.7	14 52.5	6.7	350.208	+2.238
8.5	0 6 8	46 43	+ 2 0.5	3 49.3	54 54.4	34.1	14 59.2	9.3	2.204	+1.233
9.5	0 52 51	48 32	+ 5 49.8	3 39.8	55 28.5	41.6	15 8.5	11.4	14.421	+0.155
10.5	1 41 23	50 57	+ 9 29.6	3 19.7	56 10.1	46.5	15 19.9	12.6	26.940	—0.956
11.5	2 32 20	53 46	+12 49.3	2 46.5	56 56.6	48.2	15 32.5	13.2	39.827	—2.047
12.5	3 26 6	56 38	+15 35.8	1 59.3	57 44.8	45.8	15 45.7	12.5	53.122	—3.060
13.5	4 22 44	59 3	+17 35.1	0 58.9	58 30.6	39.5	15 58.2	10.7	66.831	—3.927
14.5	5 21 47	60 30	+18 34.0	0 10.8	59 10.1	29.6	16 8.9	8.1	80.918	—4.579
15.5	6 22 17	60 43	+18 23.2	1 22.9	59 39.7	17.6	16 17.0	4.8	95.306	—4.958
16.5	7 23 0	59 47	+17 0.3	2 29.5	59 57.3	4.8	16 21.8	1.3	109.884	—5.021
17.5	8 22 47	58 6	+14 30.8	3 23.9	60 2.1	6.8	16 23.1	1.9	124.530	—4.756
18.5	9 20 53	56 11	+11 6.9	4 2.1	59 55.3	16.4	16 21.2	4.4	139.123	—4.183
19.5	10 17 4	54 29	+ 7 4.8	4 23.3	59 38.9	23.2	16 16.8	6.4	153.569	—3.347
20.5	11 11 33	53 16	+ 2 41.5	4 28.2	59 15.7	27.5	16 10.4	7.4	167.809	—2.312
21.5	12 4 49	52 41	— 1 46.7	4 18.4	58 48.2	29.6	16 3.0	8.1	181.814	—1.153
22.5	12 57 30	52 36	— 6 5.1	3 55.5	58 18.6	30.3	15 54.9	8.3	195.583	+0.055
23.5	13 50 6	52 57	—10 0.6	3 21.1	57 48.3	30.3	15 46.6	8.2	209.131	+1.239
24.5	14 43 3	53 25	—13 21.7	2 37.0	57 18.0	29.8	15 38.4	8.1	222.477	+2.336
25.5	15 36 28	53 45	—15 58.7	1 45.6	56 48.2	29.2	15 30.3	8.0	235.637	+3.289
26.5	16 30 13	53 41	—17 44.3	0 50.1	56 19.0	28.4	15 22.3	7.7	248.617	+4.056
27.5	17 23 54	53 4	—18 34.4	0 6.3	55 50.6	27.1	15 14.6	7.4	261.420	+4.605
28.5	18 16 58	51 56	—18 28.1	0 59.6	55 23.5	25.0	15 7.2	6.8	274.040	+4.919
29.5	19 8 54	50 24	—17 28.5	1 47.0	54 58.5	21.8	15 0.4	6.0	286.472	+4.991
30.5	19 59 18	48 43	—15 41.5	2 26.9	54 36.7	17.2	14 54.4	4.7	298.719	+4.830
31.5	20 48 1		—13 14.6		54 19.5		14 49.7		310.794	+4.453

Tag	Obere Kulmination in Greenwich AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	0h Länge, +50° Breite Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1921	h m s	s	° '	'	'	h m	m	h m	m	h m	m
Nov. 24	12 34 43	138	− 4 29.0	−11.2	58.7	20 19.8	2.12	14 24	3.1	1 36	1.2
25	13 29 55	139	− 8 45.7	−10.1	58.3	21 10.9	2.14	15 38	3.0	2 5	1.2
26	14 25 41	140	−12 29.8	− 8.5	57.9	22 2.6	2.17	16 50	2.9	2 35	1.3
27	15 22 6	142	−15 28.0	− 6.3	57.4	22 54.9	2.19	17 59	2.8	3 8	1.5
28	16 18 53	142	−17 30.1	− 3.8	56.9	23 47.6	2.19	19 5	2.6	3 45	1.6
29	—	—	—	—	—	—	—	20 5	2.3	4 27	1.8
30	17 15 27	141	−18 30.5	− 1.2	56.3	0 40.1	2.17	20 58	2.0	5 14	2.1
Dez. 1	18 11 3	137	−18 28.6	+ 1.3	55.7	1 31.6	2.11	21 43	1.7	6 7	2.3
2	19 5 4	133	−17 28.7	+ 3.6	55.1	2 21.5	2.04	22 21	1.5	7 4	2.4
3	19 57 7	128	−15 38.1	+ 5.5	54.7	3 9.5	1.96	22 54	1.3	8 3	2.5
4	20 47 12	123	−13 5.8	+ 7.1	54.4	3 55.5	1.88	23 23	1.1	9 3	2.5
5	21 35 34	119	−10 0.7	+ 8.3	54.2	4 39.8	1.82	23 49	1.0	10 4	2.5
6	22 22 43	117	− 6 31.3	+ 9.1	54.2	5 22.9	1.78	—	—	11 5	2.6
7	23 9 21	116	− 2 45.1	+ 9.7	54.4	6 5.5	1.77	0 14	1.0	12 7	2.6
8	23 56 11	118	+ 1 10.5	+ 9.9	54.8	6 48.3	1.80	0 37	1.0	13 9	2.6
9	0 44 3	122	+ 5 7.5	+ 9.8	55.4	7 32.1	1.86	1 1	1.0	14 13	2.7
10	1 33 45	127	+ 8 56.7	+ 9.2	56.1	8 17.7	1.95	1 27	1.1	15 19	2.8
11	2 26 2	134	+12 26.6	+ 8.2	56.8	9 5.9	2.07	1 56	1.3	16 26	2.8
12	3 21 24	142	+15 23.2	+ 6.4	57.7	9 57.2	2.20	2 30	1.5	17 33	2.8
13	4 20 0	150	+17 30.7	+ 4.1	58.5	10 51.7	2.33	3 10	1.8	18 39	2.7
14	5 21 19	156	+18 33.8	+ 1.1	59.2	11 48.9	2.43	3 58	2.2	19 41	2.5
15	6 24 18	158	+18 21.6	− 2.1	59.7	12 47.8	2.47	4 55	2.6	20 37	2.2
16	7 27 29	157	+16 51.3	− 5.3	60.0	13 46.9	2.44	6 1	2.9	21 25	1.9
17	8 29 32	153	+14 9.9	− 8.0	60.0	14 44.8	2.38	7 13	3.1	22 6	1.6
18	9 29 37	147	+10 31.8	−10.0	59.9	15 40.8	2.29	8 29	3.2	22 41	1.4
19	10 27 34	142	+ 6 15.7	−11.2	59.6	16 34.7	2.20	9 45	3.2	23 12	1.2
20	11 23 43	139	+ 1 40.5	−11.6	59.2	17 26.7	2.14	11 0	3.1	23 41	1.2
21	12 18 40	136	− 2 56.0	−11.3	58.7	18 17.6	2.11	12 15	3.1	—	—
22	13 13 7	136	− 7 18.0	−10.4	58.2	19 8.0	2.10	13 28	3.0	0 10	1.2
23	14 7 39	137	−11 11.7	− 9.0	57.6	19 58.4	2.11	14 39	2.9	0 39	1.2
24	15 2 38	138	−14 24.9	− 7.1	57.1	20 49.3	2.13	15 48	2.8	1 10	1.3
25	15 58 7	139	−16 47.8	− 4.8	56.6	21 40.7	2.15	16 54	2.6	1 44	1.5
26	16 53 49	139	−18 13.3	− 2.3	56.1	22 32.4	2.15	17 55	2.4	2 23	1.7
27	17 49 12	137	−18 38.3	+ 0.2	55.6	23 23.7	2.12	18 50	2.1	3 8	2.0
28	—	—	—	—	—	—	—	19 38	1.9	3 58	2.2
29	18 43 37	134	−18 4.1	+ 2.6	55.2	0 14.0	2.07	20 20	1.6	4 52	2.3
30	19 36 30	130	−16 35.8	+ 4.7	54.8	1 2.8	2.00	20 55	1.4	5 50	2.5
31	20 27 34	125	−14 21.2	+ 6.4	54.4	1 49.8	1.92	21 26	1.2	6 50	2.5

Mittlere Zeit Greenwich	Mondbewegung			Lage des Mondäquators gegen den Erdäquator							
	Ω	$L_☾$	$M_☾$	*i*		Δ		Ω′		Δ − ℧	
1921	°	°	°	°		°		°		°	
Jan. − 5.5	213.3148	100.9411	352.75	24.747	7	31.474	503	2.020	29	358.157	26
+ 4.5	212.7852	232.7050	123.40	24.754	7	30.971	503	1.991	29	358.183	27
14.5	212.2557	4.4690	254.06	24.761	7	30.468	503	1.962	30	358.210	27
24.5	211.7262	136.2329	24.71	24.768	7	29.965	502	1.932	29	358.237	27
Febr. 3.5	211.1966	267.9969	155.36	24.775	7	29.463	503	1.903	30	358.264	27
13.5	210.6671	39.7609	286.01	24.782	7	28.960	502	1.873	30	358.291	27
23.5	210.1376	171.5248	56.66	24.789	7	28.458	502	1.843	30	358.318	27
März 5.5	209.6080	303.2888	187.31	24.796	7	27.956	503	1.813	30	358.345	28
15.5	209.0785	75.0528	317.96	24.803	6	27.453	502	1.783	30	358.373	27
25.5	208.5489	206.8167	88.61	24.809	6	26.951	502	1.753	30	358.400	28
April 4.5	208.0194	338.5807	219.26	24.815	7	26.449	501	1.723	31	358.428	28
14.5	207.4899	110.3447	349.91	24.822	6	25.948	502	1.692	30	358.456	28
24.5	206.9603	242.1087	120.56	24.828	6	25.446	501	1.662	31	358.484	28
Mai 4.5	206.4308	13.8726	251.21	24.834	6	24.945	502	1.631	31	358.512	28
14.5	205.9012	145.6366	21.86	24.840	5	24.443	501	1.600	31	358.540	28
24.5	205.3717	277.4006	152.51	24.845	6	23.942	502	1.569	31	358.568	28
Juni 3.5	204.8422	49.1645	283.16	24.851	6	23.440	501	1.538	31	358.596	29
13.5	204.3126	180.9285	53.81	24.857	5	22.939	501	1.507	31	358.625	28
23.5	203.7831	312.6925	184.46	24.862	6	22.438	501	1.476	31	358.653	29
Juli 3.5	203.2535	84.4564	315.11	24.868	5	21.937	501	1.445	32	358.682	28
13.5	202.7240	216.2204	85.76	24.873	5	21.436	500	1.413	31	358.710	29
23.5	202.1945	347.9844	216.41	24.878	5	20.936	501	1.382	32	358.739	29
Aug. 2.5	201.6649	119.7484	347.06	24.883	5	20.435	501	1.350	32	358.768	29
12.5	201.1354	251.5123	117.71	24.888	5	19.934	500	1.318	31	358.797	29
22.5	200.6058	23.2763	248.36	24.893	4	19.434	501	1.287	32	358.826	29
Sept. 1.5	200.0763	155.0403	19.01	24.897	5	18.933	500	1.255	32	358.855	29
11.5	199.5468	286.8042	149.66	24.902	5	18.433	501	1.223	32	358.884	30
21.5	199.0172	58.5682	280.31	24.907	4	17.932	500	1.191	32	358.914	29
Okt. 1.5	198.4877	190.3322	50.96	24.911	4	17.432	500	1.159	33	358.943	30
11.5	197.9581	322.0962	181.61	24.915	4	16.932	500	1.126	32	358.973	29
21.5	197.4286	93.8601	312.26	24.919	4	16.432	500	1.094	32	359.002	30
31.5	196.8991	225.6241	82.91	24.923	4	15.932	500	1.062	33	359.032	29
Nov. 10.5	196.3695	357.3881	213.56	24.927	4	15.432	500	1.029	33	359.061	30
20.5	195.8400	129.1520	344.21	24.931	3	14.932	499	0.996	32	359.091	30
30.5	195.3104	260.9160	114.86	24.934	4	14.433	500	0.964	33	359.121	30
Dez. 10.5	194.7809	32.6800	245.51	24.938	3	13.933	500	0.931	33	359.151	30
20.5	194.2514	164.4440	16.16	24.941	3	13.433	499	0.898	32	359.181	30
30.5	193.7218	296.2079	146.81	24.944	3	12.934	500	0.866	33	359.211	30
40.5	193.1923	67.9719	277.46	24.947		12.434		0.833		359.241	

Mittlere Zeit Greenwich	$\alpha_☾ - \alpha_k$			$\delta_☾ - \delta_k$			log sin p_k		
1921	s	s	s	″	″	″			
Jan. 0.5	−10.10	−0.60	+0.08	+178.1	−26.9	−7.1	8.22457	−631	+ 45
1.5	−10.70	−0.40	+0.20	+151.2	−32.3	−5.4	8.21826	−557	+ 74
2.5	−11.10			+118.9			8.21269		
Jan. 16.5	+ 1.66	−0.37		+ 47.9	+23.3		8.22063	+663	
17.5	+ 1.29	−0.58	−0.21	+ 71.2	+22.4	−0.9	8.22726	+696	+ 33
18.5	+ 0.71	−0.77	−0.19	+ 93.6	+21.6	−0.8	8.23422	+676	− 20
19.5	− 0.06	−0.94	−0.17	+115.2	+20.7	−0.9	8.24098	+596	− 80
20.5	− 1.00	−1.07	−0.13	+135.9	+19.9	−0.8	8.24694	+454	−142
21.5	− 2.07	−1.18	−0.11	+155.8	+18.5	−1.4	8.25148	+252	−202
22.5	− 3.25	−1.25	−0.07	+174.3	+15.4	−3.1	8.25400	+ 16	−236
23.5	− 4.50	−1.31	−0.06	+189.7	+10.3	−5.1	8.25416	−227	−243
24.5	− 5.81	−1.34	−0.03	+200.0	+ 2.9	−7.4	8.25189	−444	−217
25.5	− 7.15	−1.33	+0.01	+202.9	− 5.9	−8.8	8.24745	−609	−165
26.5	− 8.48	−1.26	+0.07	+197.0	−15.1	−9.2	8.24136	−707	− 98
27.5	− 9.74	−1.10	+0.16	+181.9	−23.5	−8.4	8.23429	−740	− 33
28.5	−10.84	−0.83	+0.27	+158.4	−30.4	−6.9	8.22689	−712	+ 28
29.5	−11.67	−0.43	+0.40	+128.0	−35.1	−4.7	8.21977	−642	+ 70
30.5	−12.10	+0.06	+0.49	+ 92.9	−36.9	−1.8	8.21335	−545	+ 97
31.5	−12.04			+ 56.0			8.20790		
Febr. 14.5	+ 0.21	−0.22		+ 88.3	+22.7		8.22603	+559	
15.5	− 0.01	−0.25	−0.03	+111.0	+20.6	−2.1	8.23162	+560	+ 1
16.5	− 0.26	−0.35	−0.10	+131.6	+18.2	−2.4	8.23722	+519	− 41
17.5	− 0.61	−0.52	−0.17	+149.8	+15.5	−2.7	8.24241	+428	− 91
18.5	− 1.13	−0.78	−0.26	+165.3	+12.3	−3.2	8.24669	+289	−139
19.5	− 1.91	−1.09	−0.31	+177.6	+ 8.7	−3.6	8.24958	+105	−184
20.5	− 3.00	−1.38	−0.29	+186.3	+ 3.8	−4.9	8.25063	−105	−210
21.5	− 4.38	−1.60	−0.22	+190.1	− 2.4	−6.2	8.24958	−311	−206
22.5	− 5.98	−1.70	−0.10	+187.7	−10.2	−7.8	8.24647	−491	−180
23.5	− 7.68	−1.64	+0.06	+177.5	−18.5	−8.3	8.24156	−622	131
24.5	− 9.32	−1.42	+0.22	+159.0	−26.3	−7.8	8.23534	−693	− 71
25.5	−10.74	−1.01	+0.41	+132.7	−32.6	−6.3	8.22841	−702	− 9
26.5	−11.75	−0.45	+0.56	+100.1	−36.1	−3.5	8.22139	−660	+ 42
27.5	−12.20	+0.21	+0.66	+ 64.0	−36.6	−0.5	8.21479	−575	+ 85
28.5	−11.99	+0.85	+0.64	+ 27.4	−33.8	+2.8	8.20904	−460	+115
März 1.5	−11.14	+1.40	+0.55	− 6.4	−28.1	+5.7	8.20444	−333	+127
2.5	− 9.74			− 34.5			8.20111		

Mittlere Zeit Greenwich	$\alpha - \alpha_k$ (s)			$\delta - \delta_k$ (″)			log sin p_k		
1921									
März 16.5	− 1.39	+0.04		+146.3	+15.8		8.23542	+341	
17.5	− 1.35	−0.12	−0.16	+162.1	+11.5	−4.3	8.23883	+282	− 59
18.5	− 1.47	−0.42	−0.30	+173.6	+ 7.0	−4.5	8.24165	+194	− 88
19.5	− 1.89	−0.81	−0.39	+180.6	+ 2.3	−4.7	8.24359	+ 75	−119
20.5	− 2.70	−1.20	−0.39	+182.9	− 2.8	−5.1	8.24434	− 67	−142
21.5	− 3.90	−1.51	−0.31	+180.1	− 8.6	−5.8	8.24367	−222	−155
22.5	− 5.41	−1.69	−0.18	+171.5	−15.3	−6.7	8.24145	−370	−148
23.5	− 7.10	−1.67	+0.02	+156.2	−22.3	−7.0	8.23775	−492	−122
24.5	− 8.77	−1.44	+0.23	+133.9	−28.8	−6.5	8.23283	−576	− 84
25.5	−10.21	−0.98	+0.46	+105.1	−33.7	−4.9	8.22707	−611	− 35
26.5	−11.19	−0.35	+0.63	+ 71.4	−35.9	−2.2	8.22096	−596	+ 15
27.5	−11.54	+0.38	+0.73	+ 35.5	−34.6	+1.3	8.21500	−538	+ 58
28.5	−11.16	+1.05	+0.67	+ 0.9	−30.1	+4.5	8.20962	−445	+ 93
29.5	−10.11	+1.55	+0.50	− 29.2	−23.0	+7.1	8.20517	−326	+119
30.5	− 8.56	+1.82	+0.27	− 52.2	−14.5	+8.5	8.20191	−192	+134
31.5	− 6.74			− 66.7			8.19999		
April 14.5	− 2.75	−0.02		+174.0	+ 7.9		8.23813	+ 69	
15.5	− 2.77	−0.28	−0.26	+181.9	+ 2.3	−5.6	8.23882	+ 7	− 62
16.5	− 3.05	−0.63	−0.35	+184.2	− 3.3	−5.6	8.23889	− 62	− 69
17.5	− 3.68	−0.99	−0.36	+180.9	− 8.9	−5.6	8.23827	−142	− 80
18.5	− 4.67	−1.27	−0.28	+172.0	−14.7	−5.8	8.23685	−230	− 88
19.5	− 5.94	−1.44	−0.17	+157.3	−20.6	−5.9	8.23455	−319	− 89
20.5	− 7.38	−1.40	+0.04	+136.7	−26.4	−5.8	8.23136	−399	− 80
21.5	− 8.78	−1.15	+0.25	+110.3	−31.2	−4.8	8.22737	−459	− 60
22.5	− 9.93	−0.68	+0.47	+ 79.1	−34.3	−3.1	8.22278	−491	− 32
23.5	−10.61	−0.03	+0.65	+ 44.8	−34.3	0.0	8.21787	−490	+ 1
24.5	−10.64	+0.65	+0.68	+ 10.5	−31.2	+3.1	8.21297	−453	+ 37
25.5	− 9.99	+1.25	+0.60	− 20.7	−25.3	+5.9	8.20844	−382	+ 71
26.5	− 8.74	+1.64	+0.39	− 46.0	−17.1	+8.2	8.20462	−282	+100
27.5	− 7.10	+1.79	+0.15	− 63.1	− 8.1	+9.0	8.20180	−161	+121
28.5	− 5.31	+1.72	−0.07	− 71.2	+ 0.6	+8.7	8.20019	− 27	+134
29.5	− 3.59	+1.48	−0.24	− 70.6	+ 8.2	+7.6	8.19992	+113	+140
30.5	− 2.11			− 62.4			8.20105		
Mai 14.5	− 4.83	−0.67		+187.5	− 8.3		8.23700	−256	
15.5	− 5.50	−0.91	−0.24	+179.2	−14.4	−6.1	8.23444	−292	− 36
16.5	− 6.41	−1.07	−0.16	+164.8	−20.4	−6.0	8.23152	−324	− 32
17.5	− 7.48	−1.12	−0.05	+144.4	−25.8	−5.4	8.22828	−352	− 28
18.5	− 8.60	−0.99	+0.13	+118.6	−30.3	−4.5	8.22476	−377	− 25
19.5	− 9.59	−0.67	+0.32	+ 88.3	−33.3	−3.0	8.22099	−393	− 16
20.5	−10.26	−0.16	+0.51	+ 55.0	−34.0	−0.7	8.21706	−398	− 5
21.5	−10.42		+0.59	+ 21.0		+2.2	8.21308		+ 11

Mittlere Zeit Greenwich		$\alpha_{\sigma} - \alpha_k$			$\delta_{\sigma} - \delta_k$			$\log \sin p_k$		
1921		s	s	s	"	"	"			
Mai	21.5	−10.42	+0.43	+0.59	+ 21.0	−31.8	+2.2	8.21308	−387	+ 11
	22.5	− 9.99	+1.01	+0.58	− 10.8	−26.9	+4.9	8.20921	−352	+ 35
	23.5	− 8.98	+1.46	+0.45	− 37.7	−19.5	+7.4	8.20569	−295	+ 57
	24.5	− 7.52	+1.70	+0.24	− 57.2	−10.8	+8.7	8.20274	−215	+ 80
	25.5	− 5.82	+1.73	+0.03	− 68.0	− 1.8	+9.0	8.20059	−113	+102
	26.5	− 4.09	+1.57	−0.16	− 69.8	+ 6.4	+8.2	8.19946	+ 6	+119
	27.5	− 2.52	+1.30	−0.27	− 63.4	+13.2	+6.8	8.19952	+138	+132
	28.5	− 1.22	+0.95	−0.35	− 50.2	+18.4	+5.2	8.20090	+272	+134
	29.5	− 0.27			− 31.8			8.20362		
Juni	12.5	− 7.57	−1.00		+174.7	−19.5		8.23346	−466	
	13.5	− 8.57	−0.98	+0.02	+155.2	−25.5	−6.0	8.22880	−461	+ 5
	14.5	− 9.55	−0.85	+0.13	+129.7	−30.3	−4.8	8.22419	−443	+ 18
	15.5	−10.40	−0.56	+0.29	+ 99.4	−33.5	−3.2	8.21976	−416	+ 27
	16.5	−10.96	−0.12	+0.44	+ 65.9	−34.5	−1.0	8.21560	−385	+ 31
	17.5	−11.08	+0.41	+0.53	+ 31.4	−32.8	+1.7	8.21175	−352	+ 33
	18.5	−10.67	+0.94	+0.53	− 1.4	−28.4	+4.4	8.20823	−314	+ 38
	19.5	− 9.73	+1.38	+0.44	− 29.8	−21.6	+6.8	8.20509	−268	+ 46
	20.5	− 8.35	+1.65	+0.27	− 51.4	−13.2	+8.4	8.20241	−211	+ 57
	21.5	− 6.70	+1.72	+0.07	− 64.6	− 4.3	+8.9	8.20030	−140	+ 71
	22.5	− 4.98	+1.62	−0.10	− 68.9	+ 4.1	+8.4	8.19890	− 55	+ 85
	23.5	− 3.36	+1.40	−0.22	− 64.8	+11.6	+7.5	8.19835	+ 46	+101
	24.5	− 1.96	+1.12	−0.28	− 53.2	+17.5	+5.9	8.19881	+158	+112
	25.5	− 0.84	+0.82	−0.30	− 35.7	+21.7	+4.2	8.20039	+280	+122
	26.5	− 0.02	+0.52	−0.30	− 14.0	+24.4	+2.7	8.20319	+404	+124
	27.5	+ 0.50	+0.24	−0.28	+ 10.4	+25.5	+1.1	8.20723	+520	+116
	28.5	+ 0.74			+ 35.9			8.21243		
Juli	12.5	−11.59	−0.63		+110.6	−33.9		8.22268	−552	
	13.5	−12.22	−0.17	+0.46	+ 76.7	−35.5	−1.6	8.21716	−489	+ 63
	14.5	−12.39	+0.39	+0.56	+ 41.2	−34.3	+1.2	8.21227	−418	+ 71
	15.5	−12.00	+0.94	+0.55	+ 6.9	−30.3	+4.0	8.20809	−346	+ 72
	16.5	−11.06	+1.38	+0.44	− 23.4	−23.9	+6.4	8.20463	−276	+ 70
	17.5	− 9.68	+1.67	+0.29	− 47.3	−15.7	+8.2	8.20187	−206	+ 70
	18.5	− 8.01	+1.76	+0.09	− 63.0	− 6.8	+8.9	8.19981	−139	+ 67
	19.5	− 6.25	+1.67	−0.09	− 69.8	+ 1.9	+8.7	8.19842	− 70	+ 69
	20.5	− 4.58	+1.46	−0.21	− 67.9	+ 9.7	+7.8	8.19772	+ 6	+ 76
	21.5	− 3.12	+1.19	−0.27	− 58.2	+16.1	+6.4	8.19778	+ 88	+ 82
	22.5	− 1.93	+0.92	−0.27	− 42.1	+21.0	+4.9	8.19866	+178	+ 90
	23.5	− 1.01	+0.67	−0.25	− 21.1	+24.3	+3.3	8.20044	+278	+100
	24.5	− 0.34	+0.46	−0.21	+ 3.2	+26.1	+1.8	8.20322	+383	+105
	25.5	+ 0.12	+0.30	−0.16	+ 29.3	+26.6	+0.5	8.20705	+486	+103
	26.5	+ 0.42	+0.18	−0.12	+ 55.9	+25.7	− 0.9	8.21191	+581	+ 95
	27.5	+ 0.60			+ 81.6			8.21772		

Mittlere Zeit Greenwich	$\alpha_☾ - \alpha_k$			$\delta_☾ - \delta_k$			log sin p_k		
1921	s	s	s	″	″	″			
Aug. 10.5	−13.53	+0.17		+ 50.5	−35.9		8.21676	−562	
11.5	−13.36	+0.81	+0.64	+ 14.6	−32.5	+3.4	8.21114	−466	+ 96
12.5	−12.55	+1.34	+0.53	− 17.9	−26.5	+6.0	8.20648	−364	+102
13.5	−11.21	+1.69	+0.35	− 44.4	−18.5	+8.0	8.20284	−263	+101
14.5	− 9.52	+1.81	+0.12	− 62.9	− 9.5	+9.0	8.20021	−167	+ 96
15.5	− 7.71	+1.75	−0.06	− 72.4	− 0.5	+9.0	8.19854	− 81	+ 86
16.5	− 5.96	+1.53	−0.22	− 72.9	+ 7.7	+8.2	8.19773	− 2	+ 79
17.5	− 4.43	+1.25	−0.28	− 65.2	+14.5	+6.8	8.19771	+ 70	+ 72
18.5	− 3.18	+0.95	−0.30	− 50.7	+19.8	+5.3	8.19841	+140	+ 70
19.5	− 2.23	+0.68	−0.27	− 30.9	+23.7	+3.9	8.19981	+210	+ 70
20.5	− 1.55	+0.48	−0.20	− 7.2	+26.2	+2.5	8.20191	+281	+ 71
21.5	− 1.07	+0.35	−0.13	+ 19.0	+27.2	+1.0	8.20472	+354	+ 73
22.5	− 0.72	+0.30	−0.05	+ 46.2	+27.0	−0.2	8.20826	+431	+ 77
23.5	− 0.42	+0.32	+0.02	+ 73.2	+25.5	−1.5	8.21257	+506	+ 75
24.5	− 0.10	+0.34	+0.02	+ 98.7	+22.8	−2.7	8.21763	+570	+ 64
25.5	+ 0.24	+0.33	−0.01	+121.5	+19.0	−3.8	8.22333	+615	+ 45
26.5	+ 0.57			+140.5			8.22948		
Sept. 9.5	−12.41	+1.59		− 40.7	−21.5		8.20648	−385	
10.5	−10.82	+1.81	+0.22	− 62.2	−12.4	+9.1	8.20263	−261	+124
11.5	− 9.01	+1.82	+0.01	− 74.6	− 3.1	+9.3	8.20002	−141	+120
12.5	− 7.19	+1.63	−0.19	− 77.7	+ 5.4	+8.5	8.19861	− 33	+108
13.5	− 5.56	+1.33	−0.30	− 72.3	+12.7	+7.3	8.19828	+ 63	+ 96
14.5	− 4.23	+0.99	−0.34	− 59.6	+18.5	+5.8	8.19891	+143	+ 80
15.5	− 3.24	+0.67	−0.32	− 41.1	+22.7	+4.2	8.20034	+209	+ 66
16.5	− 2.57	+0.42	−0.25	− 18.4	+25.6	+2.9	8.20243	+263	+ 54
17.5	− 2.15	+0.26	−0.16	+ 7.2	+27.2	+1.6	8.20506	+309	+ 46
18.5	− 1.89	+0.18	−0.08	+ 34.4	+27.5	+0.3	8.20815	+347	+ 38
19.5	− 1.71	+0.22	+0.04	+ 61.9	+26.8	−0.7	8.21162	+384	+ 37
20.5	− 1.49	+0.34	+0.12	+ 88.7	+24.7	−2.1	8.21546	+419	+ 35
21.5	− 1.15	+0.46	+0.12	+113.4	+21.2	−3.5	8.21965	+451	+ 32
22.5	− 0.69	+0.53	+0.07	+134.6	+16.7	−4.5	8.22416	+475	+ 24
23.5	− 0.16	+0.45	−0.08	+151.3	+11.5	−5.2	8.22891	+482	+ 7
24.5	+ 0.29	+0.19	−0.26	+162.8	+ 6.2	−5.3	8.23373	+462	− 20
25.5	+ 0.48			+169.0			8.23835		
Okt. 8.5	− 9.83	+1.79		− 73.8	− 6.1		8.20316	−259	
9.5	− 8.04	+1.70	−0.09	− 79.9	+ 3.0	+9.1	8.20057	−123	+136
10.5	− 6.34	+1.45	−0.25	− 76.9	+10.8	+7.8	8.19934	+ 6	+129
11.5	− 4.89	+1.11	−0.34	− 66.1	+17.0	+6.2	8.19940	+123	+117
12.5	− 3.78	+0.76	−0.35	− 49.1	+21.7	+4.7	8.20063	+223	+100
13.5	− 3.02	+0.43	−0.33	− 27.4	+24.9	+3.2	8.20286	+297	+ 74
14.5	− 2.59	+0.18	−0.25	− 2.5	+26.6	+1.7	8.20583	+348	+ 51
15.5	− 2.41	+0.02	−0.16	+ 24.1	+27.4	+0.8	8.20931	+378	+ 30
16.5	− 2.39		−0.03	+ 51.5		−0.4	8.21309		+ 9

Mittlere Zeit Greenwich	$\alpha_{☾} - \alpha_k$	Δ	Δ²	$\delta_{☾} - \delta_k$	Δ	Δ²	$\log \sin p_k$	Δ	Δ²
1921	s	s	s	"	"	"			
Okt. 16.5	−2.39	−0.01	−0.03	+ 51.5	+27.0	−0.4	8.21309	+387	+ 9
17.5	−2.40	+0.07	+0.08	+ 78.5	+25.6	−1.4	8.21696	+381	− 6
18.5	−2.33	+0.21	+0.14	+104.1	+23.0	−2.6	8.22077	+366	− 15
19.5	−2.12	+0.39	+0.18	+127.1	+19.1	−3.9	8.22443	+345	− 21
20.5	−1.73	+0.47	+0.08	+146.2	+14.1	−5.0	8.22788	+323	− 22
21.5	−1.26	+0.40	−0.07	+160.3	+ 8.6	−5.5	8.23111	+298	− 25
22.5	−0.86	+0.16	−0.24	+168.9	+ 3.0	−5.6	8.23409	+265	− 33
23.5	−0.70	−0.22	−0.38	+171.9	− 2.0	−5.0	8.23674	+221	− 44
24.5	−0.92			+169.9			8.23895		
Nov. 7.5	−5.24	+1.25		− 68.8	+15.5		8.19984	+ 34	
8.5	−3.99	+0.93	−0.32	− 53.3	+20.8	+5.3	8.20018	+169	+135
9.5	−3.06	+0.60	−0.33	− 32.5	+24.3	+3.5	8.20187	+290	+121
10.5	−2.46	+0.30	−0.30	− 8.2	+26.3	+2.0	8.20477	+387	+ 97
11.5	−2.16	+0.07	−0.23	+ 18.1	+27.1	+0.8	8.20864	+454	+ 67
12.5	−2.09	−0.09	−0.16	+ 45.2	+26.7	−0.4	8.21318	+487	+ 33
13.5	−2.18	−0.14	−0.05	+ 71.9	+25.5	−1.2	8.21805	+484	− 3
14.5	−2.32	−0.10	+0.04	+ 97.4	+23.3	−2.2	8.22289	+448	− 36
15.5	−2.42	0.00	+0.10	+120.7	+20.2	−3.1	8.22737	+385	− 63
16.5	−2.42	+0.10	+0.10	+140.9	+16.0	−4.2	8.23122	+305	− 80
17.5	−2.32	+0.13	+0.03	+156.9	+11.2	−4.8	8.23427	+219	− 86
18.5	−2.19	+0.04	−0.09	+168.1	+ 5.7	−5.5	8.23646	+135	− 84
19.5	−2.15	−0.19	−0.23	+173.8	+ 0.3	−5.4	8.23781	+ 59	− 76
20.5	−2.34	−0.50	−0.31	+174.1	− 4.7	−5.0	8.23840	− 5	− 64
21.5	−2.84	−0.85	−0.35	+169.4	− 9.4	−4.7	8.23835	− 61	− 56
22.5	−3.69	−1.17	−0.32	+160.0	−13.9	−4.5	8.23774	−115	− 54
23.5	−4.86			+146.1			8.23659		
Dez. 6.5	−3.11	+0.81		− 34.9	+23.9		8.20004	+191	
7.5	−2.30	+0.56	−0.25	− 11.0	+26.4	+2.5	8.20195	+328	+137
8.5	−1.74	+0.33	−0.23	+ 15.4	+27.3	+0.9	8.20523	+449	+121
9.5	−1.41	+0.15	−0.18	+ 42.7	+26.9	−0.4	8.20972	+542	+ 93
10.5	−1.26	+0.02	−0.13	+ 69.6	+25.4	−1.5	8.21514	+597	+ 55
11.5	−1.24	−0.07	−0.09	+ 95.0	+22.9	−2.5	8.22111	+610	+ 13
12.5	−1.31	−0.13	−0.06	+117.9	+19.7	−3.2	8.22721	+573	− 37
13.5	−1.44	−0.18	−0.05	+137.6	+15.9	−3.8	8.23294	+487	− 86
14.5	−1.62	−0.26	−0.08	+153.5	+11.8	−4.1	8.23781	+363	−124
15.5	−1.88	−0.41	−0.15	+165.3	+ 7.5	−4.3	8.24144	+213	−150
16.5	−2.29	−0.60	−0.19	+172.8	+ 2.9	−4.6	8.24357	+ 59	−154
17.5	−2.89	−0.84	−0.24	+175.7	− 1.8	−4.7	8.24416	− 83	−142
18.5	−3.73	−1.05	−0.21	+173.9	− 6.9	−5.1	8.24333	−199	−116
19.5	−4.78	−1.23	−0.18	+167.0	−12.2	−5.3	8.24134	−284	− 85
20.5	−6.01	−1.35	−0.12	+154.8	−17.5	−5.3	8.23850	−339	− 55
21.5	−7.36	−1.37	−0.02	+137.3	−22.5	−5.0	8.23511	−368	− 29
22.5	−8.73			+114.8			8.23143		

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	m s	° ′ ″	′ ″			h m
Jan. 0	18 0 10.57	6 48.84	−24 19 45.3	5 23.6	0.14 8060	1589	23 24.5
1	18 6 59.41	6 50.80	24 25 8.9	4 5.7	0.14 9649	1417	23 27.5
2	18 13 50.21	6 52.65	24 29 14.6	2 46.3	0.15 1066	1247	23 30.4
3	18 20 42.86	6 54.38	24 32 0.9	1 25.8	0.15 2313	1078	23 33.4
4	18 27 37.24	6 56.03	24 33 26.7	0 4.2	0.15 3391	911	23 36.4
5	18 34 33.27	6 57.55	24 33 30.9	1 18.6	0.15 4302	745	23 39.4
6	18 41 30.82	6 58.98	−24 32 12.3	2 42.5	0.15 5047	579	23 42.4
7	18 48 29.80	7 0.27	24 29 29.8	4 7.4	0.15 5626	413	23 45.5
8	18 55 30.07	7 1.49	24 25 22.4	5 33.2	0.15 6039	247	23 48.6
9	19 2 31.56	7 2.57	24 19 49.2	7 0.1	0.15 6286	78	23 51.7
10	19 9 34.13	7 3.56	24 12 49.1	8 27.8	0.15 6364	91	23 54.8
11	19 16 37.69	7 4.41	24 4 21.3	9 56.6	0.15 6273	263	23 58.0
12	19 23 42.10	7 5.16	−23 54 24.7	11 25.8	0.15 6010	439	—
13	19 30 47.26	7 5.79	23 42 58.9	12 56.2	0.15 5571	617	0 1.1
14	19 37 53.05	7 6.29	23 30 2.7	14 27.0	0.15 4954	801	0 4.3
15	19 44 59.34	7 6.67	23 15 35.7	15 58.7	0.15 4153	989	0 7.4
16	19 52 6.01	7 6.92	22 59 37.0	17 30.6	0.15 3164	1183	0 10.6
17	19 59 12.93	7 7.04	22 42 6.4	19 3.3	0.15 1981	1384	0 13.8
18	20 6 19.97	7 7.00	−22 23 3.1	20 36.2	0.15 0597	1592	0 17.0
19	20 13 26.97	7 6.81	22 2 26.9	22 9.6	0.14 9005	1808	0 20.1
20	20 20 33.78	7 6.47	21 40 17.3	23 43.0	0.14 7197	2035	0 23.3
21	20 27 40.25	7 5.95	21 16 34.3	25 16.4	0.14 5162	2271	0 26.5
22	20 34 46.20	7 5.23	20 51 17.9	26 49.9	0.14 2891	2518	0 29.7
23	20 41 51.43	7 4.31	20 24 28.0	28 22.8	0.14 0373	2779	0 32.8
24	20 48 55.74	7 3.11	−19 56 5.2	29 55.1	0.13 7594	3054	0 35.9
25	20 55 58.85	7 1.69	19 26 10.1	31 26.6	0.13 4540	3344	0 39.1
26	21 3 0.54	6 59.95	18 54 43.5	32 56.9	0.13 1196	3650	0 42.2
27	21 10 0.49	6 57.86	18 21 46.6	34 25.6	0.12 7546	3975	0 45.2
28	21 16 58.35	6 55.36	17 47 21.0	35 52.0	0.12 3571	4318	0 48.2
29	21 23 53.71	6 52.41	17 11 29.0	37 15.9	0.11 9253	4683	0 51.2
30	21 30 46.12	6 48.92	−16 34 13.1	38 36.3	0.11 4570	5069	0 54.2
31	21 37 35.04	6 44.81	15 55 36.8	39 52.6	0.10 9501	5477	0 57.0
Febr. 1	21 44 19.85	6 39.99	15 15 44.2	41 4.1	0.10 4024	5911	0 59.8
2	21 50 59.84	6 34.36	14 34 40.1	42 9.2	0.09 8113	6367	1 2.6
3	21 57 34.20	6 27.78	13 52 30.9	43 7.3	0.09 1746	6849	1 5.2
4	22 4 1.98	6 20.13	13 9 23.6	43 56.8	0.08 4897	7353	1 7.7
5	22 10 22.11	6 11.25	−12 25 26.8	44 36.1	0.07 7544	7881	1 10.1
6	22 16 33.36	6 1.00	11 40 50.7	45 4.0	0.06 9663	8427	1 12.3
7	22 22 34.36	5 49.18	10 55 46.7	45 18.3	0.06 1236	8991	1 14.4
8	22 28 23.54	5 35.68	10 10 28.4	45 17.7	0.05 2245	9567	1 16.3
9	22 33 59.22	5 20.28	9 25 10.7	44 59.6	0.04 2678	10147	1 17.9
10	22 39 19.50		8 40 11.1		0.03 2531		1 19.3

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension	Diff.	Scheinbare Deklination	Diff.	log Δ	Diff.	Obere Kulmination in Greenwich
1921	h m s	m s	° ′ ″	′ ″			h m
Febr. 10	22 39 19.50	5 2.85	−8 40 11.1	44 23.2	0.03 2531	10726	1 19.3
11	22 44 22.35	4 43.27	7 55 47.9	43 25.7	0.02 1805	11294	1 20.4
12	22 49 5.62	4 21.41	7 12 22.2	42 6.2	0.01 0511	11836	1 21.2
13	22 53 27.03	3 57.26	6 30 16.0	40 23.0	9.99 8675	12345	1 21.6
14	22 57 24.29	3 30.78	5 49 53.0	38 15.7	9.98 6330	12803	1 21.5
15	23 0 55.07	3 2.08	5 11 37.3	35 43.2	9.97 3527	13196	1 21.1
16	23 3 57.15	2 31.28	−4 35 54.1	32 45.8	9.96 0331	13507	1 20.2
17	23 6 28.43	1 58.63	4 3 8.3	29 24.1	9.94 6824	13720	1 18.7
18	23 8 27.06	1 24.44	3 33 44.2	25 39.4	9.93 3104	13821	1 16.7
19	23 9 51.50	0 49.16	3 8 4.8	21 33.4	9.91 9283	13793	1 14.1
20	23 10 40.66	0 13.27	2 46 31.4	17 9.1	9.90 5490	13625	1 11.0
21	23 10 53.93	0 22.56	2 29 22.3	12 30.1	9.89 1865	13304	1 7.3
22	23 10 31.37	0 57.70	−2 16 52.2	7 40.3	9.87 8561	12825	1 2.9
23	23 9 33.67	1 31.33	2 9 11.9	2 45.4	9.86 5736	12184	0 58.0
24	23 8 2.34	2 2.72	2 6 26.5	2 9.0	9.85 3552	11381	0 52.6
25	23 5 59.62	2 31.01	2 8 35.5	6 56.3	9.84 2171	10429	0 46.6
26	23 3 28.61	2 55.55	2 15 31.8	11 30.0	9.83 1742	9336	0 40.1
27	23 0 33.06	3 15.60	2 27 1.8	15 43.0	9.82 2406	8125	0 33.3
28	22 57 17.46	3 30.72	−2 42 44.8	19 29.4	9.81 4281	6822	0 26.1
März 1	22 53 46.74	3 40.55	3 2 14.2	22 43.9	9.80 7459	5454	0 18.7
2	22 50 6.19	3 44.96	3 24 58.1	25 22.3	9.80 2005	4055	0 11.1
3	22 46 21.23	3 44.01	3 50 20.4	27 22.0	9.79 7950	2657	{ 0 3.5 23 55.8
4	22 42 37.22	3 38.05	4 17 42.4	28 42.5	9.79 5293	1291	23 48.3
5	22 38 59.17	3 27.52	4 46 24.9	29 25.0	9.79 4002	14	23 40.9
6	22 35 31.65	3 12.97	−5 15 49.9	29 31.3	9.79 4016	1239	23 33.8
7	22 32 18.68	2 55.09	5 45 21.2	29 4.8	9.79 5255	2362	23 27.0
8	22 29 23.59	2 34.58	6 14 26.0	28 10.2	9.79 7617	3374	23 20.5
9	22 26 49.01	2 12.13	6 42 36.2	26 51.4	9.80 0991	4270	23 14.3
10	22 24 36.88	1 48.38	7 9 27.6	25 13.4	9.80 5261	5047	23 8.6
11	22 22 48.50	1 23.90	7 34 41.0	23 20.1	9.81 0308	5711	23 3.3
12	22 21 24.60	0 59.18	−7 58 1.1	21 15.7	9.81 6019	6267	22 58.3
13	22 20 25.42	0 34.64	8 19 16.8	19 3.4	9.82 2286	6721	22 53.8
14	22 19 50.78	0 10.57	8 38 20.2	16 46.0	9.82 9007	7087	22 49.7
15	22 19 40.21	0 12.75	8 55 6.2	14 26.0	9.83 6094	7370	22 45.9
16	22 19 52.96	0 35.16	9 9 32.2	12 5.1	9.84 3464	7583	22 42.6
17	22 20 28.12	0 56.52	9 21 37.3	9 44.8	9.85 1047	7735	22 39.6
18	22 21 24.64	1 16.82	−9 31 22.1	7 25.9	9.85 8782	7834	22 36.9
19	22 22 41.46	1 35.96	9 38 48.0	5 9.6	9.86 6616	7888	22 34.5
20	22 24 17.42	1 53.97	9 43 57.6	2 56.1	9.87 4504	7905	22 32.5
21	22 26 11.39	2 10.87	9 46 53.7	0 45.8	9.88 2409	7891	22 30.7
22	22 28 22.26	2 26.68	9 47 39.5	1 21.0	9.89 0300	7850	22 29.2
23	22 30 48.94		9 46 18.5		9.89 8150		22 27.9

Tag	0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1921	h m s	m s	° ′ ″	′ ″			h m
März 23	22 30 48.94	2 41.45	− 9 46 18.5	3 24.3	9.89 8150	7789	22 27.9
24	22 33 30.39	2 55.25	9 42 54.2	5 23.9	9.90 5939	7712	22 26.9
25	22 36 25.64	3 8.09	9 37 30.3	7 20.1	9.91 3651	7620	22 26.1
26	22 39 33.73	3 20.14	9 30 10.2	9 12.9	9.92 1271	7518	22 25.4
27	22 42 53.87	3 31.33	9 20 57.3	11 2.1	9.92 8789	7408	22 25.0
28	22 46 25.20	3 41.79	9 9 55.2	12 48.3	9.93 6197	7292	22 24.7
29	22 50 6.99	3 51.57	− 8 57 6.9	14 31.3	9.94 3489	7172	22 24.7
30	22 53 58.56	4 0.74	8 42 35.6	16 11.3	9.95 0661	7049	22 24.7
31	22 57 59.30	4 9.32	8 26 24.3	17 48.5	9.95 7710	6924	22 24.9
April 1	23 2 8.62	4 17.42	8 8 35.8	19 23.0	9.96 4634	6799	22 25.3
2	23 6 26.04	4 25.04	7 49 12.8	20 55.0	9.97 1433	6673	22 25.7
3	23 10 51.08	4 32.26	7 28 17.8	22 24.4	9.97 8106	6547	22 26.3
4	23 15 23.34	4 39.10	− 7 5 53.4	23 51.6	9.98 4653	6423	22 27.0
5	23 20 2.44	4 45.64	6 42 1.8	25 16.4	9.99 1076	6299	22 27.8
6	23 24 48.08	4 51.90	6 16 45.4	26 39.2	9.99 7375	6176	22 28.7
7	23 29 39.98	4 57.89	5 50 6.2	27 59.8	0.00 3551	6055	22 29.8
8	23 34 37.87	5 3.71	5 22 6.4	29 18.5	0.00 9606	5935	22 30.9
9	23 39 41.58	5 9.35	4 52 47.9	30 35.3	0.01 5541	5815	22 32.1
10	23 44 50.93	5 14.87	− 4 22 12.6	31 50.1	0.02 1356	5697	22 33.4
11	23 50 5.80	5 20.27	3 50 22.5	33 3.2	0.02 7053	5579	22 34.8
12	23 55 26.07	5 25.63	3 17 19.3	34 14.5	0.03 2632	5461	22 36.3
13	0 0 51.70	5 30.95	2 43 4.8	35 23.9	0.03 8093	5344	22 37.8
14	0 6 22.65	5 36.26	2 7 40.9	36 31.8	0.04 3437	5225	22 39.5
15	0 11 58.91	5 41.59	1 31 9.1	37 37.7	0.04 8662	5106	22 41.2
16	0 17 40.50	5 46.97	− 0 53 31.4	38 42.0	0.05 3768	4986	22 43.1
17	0 23 27.47	5 52.44	− 0 14 49.4	39 44.3	0.05 8754	4861	22 45.0
18	0 29 19.91	5 58.00	+ 0 24 54.9	40 44.8	0.06 3615	4735	22 47.0
19	0 35 17.91	6 3.68	1 5 39.7	41 43.3	0.06 8350	4605	22 49.1
20	0 41 21.59	6 9.53	1 47 23.0	42 39.8	0.07 2955	4469	22 51.4
21	0 47 31.12	6 15.54	2 30 2.8	43 34.0	0.07 7424	4328	22 53.7
22	0 53 46.66	6 21.74	+ 3 13 36.8	44 25.8	0.08 1752	4181	22 56.1
23	1 0 8.40	6 28.14	3 58 2.6	45 15.0	0.08 5933	4025	22 58.6
24	1 6 36.54	6 34.77	4 43 17.6	46 1.4	0.08 9958	3860	23 1.2
25	1 13 11.31	6 41.63	5 29 19.0	46 44.5	0.09 3818	3685	23 4.0
26	1 19 52.94	6 48.71	6 16 3.5	47 24.2	0.09 7503	3498	23 6.9
27	1 26 41.65	6 56.05	7 3 27.7	47 59.9	0.10 1001	3298	23 9.9
28	1 33 37.70	7 3.62	+ 7 51 27.6	48 31.2	0.10 4299	3083	23 13.0
29	1 40 41.32	7 11.42	8 39 58.8	48 57.7	0.10 7382	2853	23 16.2
30	1 47 52.74	7 19.41	9 28 56.5	49 18.6	0.11 0235	2605	23 19.6
Mai 1	1 55 12.15	7 27.59	10 18 15.1	49 33.3	0.11 2840	2338	23 23.1
2	2 2 39.74	7 35.91	11 7 48.4	49 41.1	0.11 5178	2050	23 26.8
3	2 10 15.65		11 57 29.5		0.11 7228		23 30.6

Tag	Scheinbare Rektaszension (0h mittlere Zeit Greenwich)		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	m s	° ′ ″	′ ″			h m
Mai 3	2 10 15.65	7 44.31	+11 57 29.5	49 41.5	0.11 7228	1742	23 30.6
4	2 17 59.96	7 52.72	12 47 11.0	49 32.9	0.11 8970	1411	23 34.6
5	2 25 52.68	8 1.05	13 36 43.9	49 15.4	0.12 0381	1057	23 38.6
6	2 33 53.73	8 9.20	14 25 59.3	48 47.5	0.12 1438	680	23 42.9
7	2 42 2.93	8 17.10	15 14 46.8	48 8.8	0.12 2118	280	23 47.2
8	2 50 20.03	8 24.54	16 2 55.6	47 18.6	0.12 2398	140	23 51.7
9	2 58 44.57	8 31.46	+16 50 14.2	46 16.2	0.12 2258	580	23 56.3
10	3 7 16.03	8 37.67	17 36 30.4	45 1.5	0.12 1678	1037	—
11	3 15 53.70	8 43.07	18 21 31.9	43 34.3	0.12 0641	1508	0 1.0
12	3 24 36.77	8 47.48	19 5 6.2	41 54.8	0.11 9133	1988	0 5.8
13	3 33 24.25	8 50.82	19 47 1.0	40 3.7	0.11 7145	2475	0 10.6
14	3 42 15.07	8 52.96	20 27 4.7	38 1.5	0.11 4670	2961	0 15.6
15	3 51 8.03	8 53.85	+21 5 6.2	35 49.7	0.11 1709	3445	0 20.5
16	4 0 1.88	8 53.43	21 40 55.9	33 29.1	0.10 8264	3918	0 25.5
17	4 8 55.31	8 51.70	22 14 25.0	31 1.9	0.10 4346	4380	0 30.5
18	4 17 47.01	8 48.64	22 45 26.9	28 29.1	0.09 9966	4825	0 35.4
19	4 26 35.65	8 44.32	23 13 56.0	25 52.9	0.09 5141	5249	0 40.3
20	4 35 19.97	8 38.79	23 39 48.9	23 14.3	0.08 9892	5652	0 45.1
21	4 43 58.76	8 32.13	+24 3 3.2	20 35.3	0.08 4240	6030	0 49.8
22	4 52 30.89	8 24.40	24 23 38.5	17 57.4	0.07 8210	6384	0 54.4
23	5 0 55.29	8 15.73	24 41 35.9	15 22.0	0.07 1826	6713	0 58.9
24	5 9 11.02	8 6.19	24 56 57.9	12 49.2	0.06 5113	7016	1 3.2
25	5 17 17.21	7 55.88	25 9 47.1	10 20.9	0.05 8097	7295	1 7.4
26	5 25 13.09	7 44.88	25 20 8.0	7 57.5	0.05 0802	7551	1 11.4
27	5 32 57.97	7 33.26	+25 28 5.5	5 39.5	0.04 3251	7785	1 15.2
28	5 40 31.23	7 21.12	25 33 45.0	3 27.4	0.03 5466	7996	1 18.8
29	5 47 52.35	7 8.48	25 37 12.4	1 21.7	0.02 7470	8190	1 22.2
30	5 55 0.83	6 55.41	25 38 34.1	0 37.6	0.01 9280	8364	1 25.4
31	6 1 56.24	6 41.96	25 37 56.5	2 30.4	0.01 0916	8521	1 28.4
Juni 1	6 8 38.20	6 28.16	25 35 26.1	4 16.5	0.00 2395	8661	1 31.1
2	6 15 6.36	6 14.00	+25 31 9.6	5 55.8	9.99 3734	8787	1 33.6
3	6 21 20.36	5 59.59	25 25 13.8	7 28.6	9.98 4947	8899	1 35.9
4	6 27 19.95	5 44.84	25 17 45.2	8 54.6	9.97 6048	8996	1 37.9
5	6 33 4.79	5 29.80	25 8 50.6	10 14.2	9.96 7052	9081	1 39.7
6	6 38 34.59	5 14.48	24 58 36.4	11 27.2	9.95 7971	9151	1 41.3
7	6 43 49.07	4 58.88	24 47 9.2	12 33.8	9.94 8820	9209	1 42.5
8	6 48 47.95	4 42.97	+24 34 35.4	13 34.0	9.93 9611	9254	1 43.6
9	6 53 30.92	4 26.77	24 21 1.4	14 28.1	9.93 0357	9285	1 44.3
10	6 57 57.69	4 10.26	24 6 33.3	15 15.8	9.92 1072	9301	1 44.8
11	7 2 7.95	3 53.44	23 51 17.5	15 57.5	9.91 1771	9302	1 45.0
12	7 6 1.39	3 36.30	23 35 20.0	16 33.0	9.90 2469	9287	1 44.9
13	7 9 37.69		23 18 47.0		9.89 3182		1 44.6

Tag		0ʰ mittlere Zeit Greenwich: Scheinbare Rektaszension	Diff.	Scheinbare Deklination	Diff.	log Δ	Diff.	Obere Kulmination in Greenwich
1921		h m s	m s	° ′ ″	′ ″			h m
Juni	13	7 9 37.69	3 18.83	+23 18 47.0	17 2.5	9.89 3182	9254	1 44.6
	14	7 12 56.52	3 1.05	23 1 44.5	17 26.0	9.88 3928	9201	1 43.9
	15	7 15 57.57	2 42.93	22 44 18.5	17 43.8	9.87 4727	9127	1 43.0
	16	7 18 40.50	2 24.50	22 26 34.7	17 55.2	9.86 5600	9029	1 41.7
	17	7 21 5.00	2 5.78	22 8 39.5	18 1.3	9.85 6571	8907	1 40.2
	18	7 23 10.78	1 46.77	21 50 38.2	18 0.8	9.84 7664	8756	1 38.3
	19	7 24 57.55	1 27.54	+21 32 37.4	17 54.9	9.83 8908	8574	1 36.1
	20	7 26 25.09	1 8.11	21 14 42.5	17 43.1	9.83 0334	8359	1 33.6
	21	7 27 33.20	0 48.55	20 56 59.4	17 25.4	9.82 1975	8106	1 30.8
	22	7 28 21.75	0 28.95	20 39 34.0	17 2.0	9.81 3869	7814	1 27.7
	23	7 28 50.70	0 9.39	20 22 32.0	16 32.7	9.80 6055	7479	1 24.2
	24	7 29 0.09	0 9.98	20 5 59.3	15 58.1	9.79 8576	7098	1 20.4
	25	7 28 50.11	0 29.03	+19 50 1.2	15 17.7	9.79 1478	6669	1 16.3
	26	7 28 21.08	0 47.62	19 34 43.5	14 32.2	9.78 4809	6190	1 11.8
	27	7 27 33.46	1 5.53	19 20 11.3	13 41.1	9.77 8619	5659	1 7.1
	28	7 26 27.93	1 22.56	19 6 30.2	12 45.7	9.77 2960	5074	1 2.1
	29	7 25 5.37	1 38.50	18 53 44.5	11 45.2	9.76 7886	4439	0 56.8
	30	7 23 26.87	1 53.12	18 41 59.3	10 40.3	9.76 3447	3750	0 51.2
Juli	1	7 21 33.75	2 6.17	+18 31 19.0	9 31.7	9.75 9697	3013	0 45.4
	2	7 19 27.58	2 17.42	18 21 47.3	8 19.6	9.75 6684	2231	0 39.4
	3	7 17 10.16	2 26.64	18 13 27.7	7 4.5	9.75 4453	1410	0 33.2
	4	7 14 43.52	2 33.66	18 6 23.2	5 46.7	9.75 3043	553	0 26.8
	5	7 12 9.86	2 38.28	18 0 36.5	4 27.2	9.75 2490	328	0 20.3
	6	7 9 31.58	2 40.39	17 56 9.3	3 6.6	9.75 2818	1228	0 13.8
	7	7 6 51.19	2 39.85	+17 53 2.7	1 45.7	9.75 4046	2136	0 7.2
	8	7 4 11.34	2 36.70	17 51 17.0	0 24.3	9.75 6182	3043	{ 0 0.6 / 23 54.1
	9	7 1 34.64	2 30.87	17 50 52.7	0 55.5	9.75 9225	3939	23 47.6
	10	6 59 3.77	2 22.48	17 51 48.2	2 13.6	9.76 3164	4816	23 41.4
	11	6 56 41.29	2 11.60	17 54 1.8	3 29.3	9.76 7980	5662	23 35.2
	12	6 54 29.69	1 58.42	17 57 31.1	4 42.0	9.77 3642	6473	23 29.3
	13	6 52 31.27	1 43.08	+18 2 13.1	5 50.5	9.78 0115	7238	23 23.7
	14	6 50 48.19	1 25.81	18 8 3.6	6 54.5	9.78 7353	7955	23 18.3
	15	6 49 22.38	1 6.81	18 14 58.1	7 53.2	9.79 5308	8617	23 13.3
	16	6 48 15.57	0 46.35	18 22 51.3	8 46.0	9.80 3925	9221	23 8.6
	17	6 47 29.22	0 24.59	18 31 37.3	9 32.4	9.81 3146	9767	23 4.2
	18	6 47 4.63	0 1.82	18 41 9.7	10 11.8	9.82 2913	10253	23 0.3
	19	6 47 2.81	0 21.82	+18 51 21.5	10 43.5	9.83 3166	10678	22 56.7
	20	6 47 24.63	0 46.11	19 2 5.0	11 7.4	9.84 3844	11044	22 53.5
	21	6 48 10.74	1 10.88	19 13 12.4	11 22.7	9.85 4888	11352	22 50.7
	22	6 49 21.62	1 36.00	19 24 35.1	11 29.1	9.86 6240	11602	22 48.3
	23	6 50 57.62	2 1.33	19 36 4.2	11 26.2	9.87 7842	11799	22 46.4
	24	6 52 58.95		19 47 30.4		9.88 9641		22 44.9

Tag		0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921		h m s	m s	° ′ ″	′ ″			h m
Juli	24	6 52 58.95	2 26.71	+19 47 30.4	11 13.5	9.88 9641	11941	22 44.9
	25	6 55 25.66	2 52.08	19 58 43.9	10 50.7	9.90 1582	12033	22 43.8
	26	6 58 17.74	3 17.31	20 9 34.6	10 17.5	9.91 3615	12074	22 43.1
	27	7 1 35.05	3 42.31	20 19 52.1	9 33.3	9.92 5689	12067	22 42.9
	28	7 5 17.36	4 6.95	20 29 25.4	8 38.3	9.93 7756	12012	22 43.0
	29	7 9 24.31	4 31.18	20 38 3.7	7 31.7	9.94 9768	11912	22 43.6
	30	7 13 55.49	4 54.84	+20 45 35.4	6 13.8	9.96 1680	11765	22 44.5
	31	7 18 50.33	5 17.82	20 51 49.2	4 44.4	9.97 3445	11576	22 45.9
Aug.	1	7 24 8.15	5 39.98	20 56 33.6	3 3.7	9.98 5021	11342	22 47.6
	2	7 29 48.13	6 1.20	20 59 37.3	1 11.9	9.99 6363	11065	22 49.6
	3	7 35 49.33	6 21.30	21 0 49.2	0 50.3	0.00 7428	10749	22 52.0
	4	7 42 10.63	6 40.13	20 59 58.9	3 2.3	0.01 8177	10392	22 54.7
	5	7 48 50.76	6 57.53	+20 56 56.6	5 22.8	0.02 8569	9999	22 57.8
	6	7 55 48.29	7 13.34	20 51 33.8	7 51.4	0.03 8568	9572	23 1.0
	7	8 3 1.63	7 27.44	20 43 42.4	10 25.2	0.04 8140	9113	23 4.5
	8	8 10 29.07	7 39.69	20 33 17.2	13 3.5	0.05 7253	8630	23 8.3
	9	8 18 8.76	7 50.02	20 20 13.7	15 44.0	0.06 5883	8123	23 12.2
	10	8 25 58.78	7 58.37	20 4 29.7	18 24.7	0.07 4006	7603	23 16.2
	11	8 33 57.15	8 4.76	+19 46 5.0	21 3.8	0.08 1609	7071	23 20.3
	12	8 42 1.91	8 9.21	19 25 1.2	23 39.2	0.08 8680	6535	23 24.6
	13	8 50 11.12	8 11.86	19 1 22.0	26 9.5	0.09 5215	6000	23 28.8
	14	8 58 22.98	8 12.73	18 35 12.5	28 32.6	0.10 1215	5472	23 33.1
	15	9 6 35.71	8 12.05	18 6 39.9	30 47.9	0.10 6687	4954	23 37.4
	16	9 14 47.76	8 9.95	17 35 52.0	32 54.0	0.11 1641	4453	23 41.6
	17	9 22 57.71	8 6.66	+17 2 58.0	34 50.7	0.11 6094	3969	23 45.8
	18	9 31 4.37	8 2.31	16 28 7.3	36 37.2	0.12 0063	3506	23 49.9
	19	9 39 6.68	7 57.14	15 51 30.1	38 13.7	0.12 3569	3065	23 53.9
	20	9 47 3.82	7 51.27	15 13 16.4	39 40.2	0.12 6634	2648	23 57.9
	21	9 54 55.09	7 44.89	14 33 36.2	40 57.0	0.12 9282	2253	—
	22	10 2 39.98	7 38.14	13 52 39.2	42 4.6	0.13 1535	1882	0 1.7
	23	10 10 18.12	7 31.14	+13 10 34.6	43 3.3	0.13 3417	1534	0 5.4
	24	10 17 49.26	7 23.99	12 27 31.3	43 53.8	0.13 4951	1207	0 9.0
	25	10 25 13.25	7 16.80	11 43 37.5	44 36.6	0.13 6158	901	0 12.4
	26	10 32 30.05	7 9.62	10 59 0.9	45 12.2	0.13 7059	613	0 15.8
	27	10 39 39.67	7 2.53	10 13 48.7	45 41.5	0.13 7672	344	0 19.0
	28	10 46 42.20	6 55.56	9 28 7.2	46 4.5	0.13 8016	91	0 22.1
	29	10 53 37.76	6 48.76	+ 8 42 2.7	46 22.2	0.13 8107	148	0 25.1
	30	11 0 26.52	6 42.15	7 55 40.5	46 34.8	0.13 7959	374	0 28.0
	31	11 7 8.67	6 35.75	7 9 5.7	46 42.9	0.13 7585	586	0 30.7
Sept.	1	11 13 44.42	6 29.57	6 22 22.8	46 46.7	0.13 6999	789	0 33.4
	2	11 20 13.99	6 23.63	5 35 36.1	46 46.8	0.13 6210	981	0 35.9
	3	11 26 37.62		4 48 49.3		0.13 5229		0 38.4

Tag	Scheinbare Rektaszension (0^h mittlere Zeit Greenwich)		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	m s	° ′ ″	′ ″			h m
Sept. 3	11 26 37.62	6 17.91	+ 4 48 49.3	46 43.3	0.13 5229	1166	0 38.4
4	11 32 55.53	6 12.43	4 2 6.0	46 36.7	0.13 4063	1342	0 40.7
5	11 39 7.96	6 7.19	3 15 29.3	46 27.2	0.13 2721	1513	0 43.0
6	11 45 15.15	6 2.16	2 29 2.1	46 14.8	0.13 1208	1677	0 45.2
7	11 51 17.31	5 57.35	1 42 47.3	46 0.2	0.12 9531	1838	0 47.3
8	11 57 14.66	5 52.76	0 56 47.1	45 43.1	0.12 7693	1995	0 49.3
9	12 3 7.42	5 48.36	+ 0 11 4.0	45 23.8	0.12 5698	2147	0 51.2
10	12 8 55.78	5 44.15	− 0 34 19.8	45 2.7	0.12 3551	2300	0 53.1
11	12 14 39.93	5 40.11	1 19 22.5	44 39.5	0.12 1251	2448	0 54.9
12	12 20 20.04	5 36.25	2 4 2.0	44 14.5	0.11 8803	2598	0 56.6
13	12 25 56.29	5 32.51	2 48 16.5	43 47.9	0.11 6205	2746	0 58.3
14	12 31 28.80	5 28.92	3 32 4.4	43 19.5	0.11 3459	2895	0 59.9
15	12 36 57.72	5 25.45	− 4 15 23.9	42 49.6	0.11 0564	3043	1 1.4
16	12 42 23.17	5 22.07	4 58 13.5	42 17.9	0.10 7521	3195	1 2.9
17	12 47 45.24	5 18.78	5 40 31.4	41 44.7	0.10 4326	3347	1 4.3
18	12 53 4.02	5 15.55	6 22 16.1	41 9.9	0.10 0979	3502	1 5.7
19	12 58 19.57	5 12.36	7 3 26.0	40 33.7	0.09 7477	3660	1 7.0
20	13 3 31.93	5 9.20	7 43 59.7	39 55.8	0.09 3817	3820	1 8.3
21	13 8 41.13	5 6.03	− 8 23 55.5	39 16.1	0.08 9997	3985	1 9.5
22	13 13 47.16	5 2.85	9 3 11.6	38 34.9	0.08 6012	4154	1 10.6
23	13 18 50.01	4 59.61	9 41 46.5	37 51.9	0.08 1858	4328	1 11.7
24	13 23 49.62	4 56.29	10 19 38.4	37 7.1	0.07 7530	4505	1 12.8
25	13 28 45.91	4 52.85	10 56 45.5	36 20.3	0.07 3025	4690	1 13.8
26	13 33 38.76	4 49.27	11 33 5.8	35 31.6	0.06 8335	4878	1 14.7
27	13 38 28.03	4 45.50	−12 8 37.4	34 40.7	0.06 3457	5075	1 15.6
28	13 43 13.53	4 41.50	12 43 18.1	33 47.6	0.05 8382	5277	1 16.4
29	13 47 55.03	4 37.23	13 17 5.7	32 52.0	0.05 3105	5485	1 17.1
30	13 52 32.26	4 32.62	13 49 57.7	31 53.7	0.04 7620	5702	1 17.8
Okt. 1	13 57 4.88	4 27.62	14 21 51.4	30 52.7	0.04 1918	5924	1 18.4
2	14 1 32.50	4 22.18	14 52 44.1	29 48.3	0.03 5994	6153	1 18.9
3	14 5 54.68	4 16.22	−15 22 32.4	28 40.9	0.02 9841	6391	1 19.3
4	14 10 10.90	4 9.67	15 51 13.3	27 29.6	0.02 3450	6634	1 19.7
5	14 14 20.57	4 2.43	16 18 42.9	26 14.4	0.01 6816	6883	1 19.9
6	14 18 23.00	3 54.43	16 44 57.3	24 54.7	0.00 9933	7139	1 20.0
7	14 22 17.43	3 45.55	17 9 52.0	23 30.0	0.00 2794	7399	1 19.9
8	14 26 2.98	3 35.72	17 33 22.0	22 0.2	9.99 5395	7661	1 19.7
9	14 29 38.70	3 24.74	−17 55 22.2	20 24.1	9.98 7734	7927	1 19.4
10	14 33 3.44	3 12.56	18 15 46.3	18 41.5	9.97 9807	8190	1 18.8
11	14 36 16.00	2 58.99	18 34 27.8	16 51.4	9.97 1617	8451	1 18.1
12	14 39 14.99	2 43.93	18 51 19.2	14 53.1	9.96 3166	8702	1 17.1
13	14 41 58.92	2 27.20	19 6 12.3	12 45.4	9.95 4464	8942	1 15.9
14	14 44 26.12		19 18 57.7		9.94 5522		1 14.4

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	m s	° ′ ″	′ ″			h m
Okt. 14	14 44 26.12	2 8.68	−19 18 57.7	10 27.6	9.94 5522	9160	1 14.4
15	14 46 34.80	1 48.19	19 29 25.3	7 58.4	9.93 6362	9352	1 12.6
16	14 48 22.99	1 25.70	19 37 23.7	5 16.7	9.92 7010	9506	1 10.4
17	14 49 48.69	1 1.05	19 42 40.4	2 21.4	9.91 7504	9610	1 7.9
18	14 50 49.74	0 34.28	19 45 1.8	0 48.5	9.90 7894	9651	1 5.0
19	14 51 24.02	0 5.39	19 44 13.3	4 13.8	9.89 8243	9610	1 1.6
20	14 51 29.41	0 25.37	−19 39 59.5	7 54.7	9.88 8633	9469	0 57.7
21	14 51 4.04	0 57.79	19 32 4.8	11 51.1	9.87 9164	9206	0 53.3
22	14 50 6.25	1 31.31	19 20 13.7	16 1.1	9.86 9958	8798	0 48.4
23	14 48 34.94	2 5.26	19 4 12.6	20 22.1	9.86 1160	8222	0 43.0
24	14 46 29.68	2 38.73	18 43 50.5	24 49.0	9.85 2938	7458	0 37.0
25	14 43 50.95	3 10.52	18 19 1.5	29 15.2	9.84 5480	6486	0 30.4
26	14 40 40.43	3 39.36	−17 49 46.3	33 29.8	9.83 8994	5303	0 23.3
27	14 37 1.07	4 3.72	17 16 16.5	37 22.9	9.83 3691	3907	0 15.7
28	14 32 57.35	4 22.20	16 38 53.6	40 40.2	9.82 9784	2320	{ 0 7.8 { 23 59.5
29	14 28 35.15	4 33.42	15 58 13.4	43 7.7	9.82 7464	574	23 51.0
30	14 24 1.73	4 36.50	15 15 5.7	44 33.6	9.82 6890	1278	23 42.5
31	14 19 25.23	4 30.81	14 30 32.1	44 47.9	9.82 8168	3174	23 34.1
Nov. 1	14 14 54.42	4 16.47	−13 45 44.2	43 46.5	9.83 1342	5042	23 25.9
2	14 10 37.95	3 54.01	13 1 57.7	41 29.5	9.83 6384	6811	23 18.1
3	14 6 43.94	3 24.59	12 20 28.2	38 4.4	9.84 3195	8418	23 10.8
4	14 3 19.35	2 49.57	11 42 23.8	33 41.2	9.85 1613	9814	23 4.1
5	14 0 29.78	2 10.66	11 8 42.6	28 34.6	9.86 1427	10967	22 57.9
6	13 58 19.12	1 29.44	10 40 8.0	22 59.6	9.87 2394	11863	22 52.5
7	13 56 49.68	0 47.48	−10 17 8.4	17 11.3	9.88 4257	12508	22 47.7
8	13 56 2.20	0 6.00	9 59 57.1	11 22.8	9.89 6765	12915	22 43.7
9	13 55 56.20	0 33.92	9 48 34.3	5 44.7	9.90 9680	13108	22 40.3
10	13 56 30.12	1 11.58	9 42 49.6	0 25.5	9.92 2788	13120	22 37.5
11	13 57 41.70	1 46.50	9 42 24.1	4 29.4	9.93 5908	12981	22 35.3
12	13 59 28.20	2 18.43	9 46 53.5	8 56.9	9.94 8889	12720	22 33.6
13	14 1 46.63	2 47.29	−9 55 50.4	12 55.1	9.96 1609	12367	22 32.5
14	14 4 33.92	3 13.13	10 8 45.5	16 24.3	9.97 3976	11947	22 31.7
15	14 7 47.05	3 36.13	10 25 9.8	19 25.2	9.98 5923	11480	22 31.3
16	14 11 23.18	3 56.43	10 44 35.0	21 59.3	9.99 7403	10983	22 31.3
17	14 15 19.61	4 14.36	11 6 34.3	24 8.9	0.00 8386	10472	22 31.6
18	14 19 33.97	4 30.07	11 30 43.2	25 55.4	0.01 8858	9954	22 32.2
19	14 24 4.04	4 43.89	−11 56 38.6	27 22.1	0.02 8812	9441	22 32.9
20	14 28 47.93	4 56.00	12 24 0.7	28 30.3	0.03 8253	8937	22 33.9
21	14 33 43.93	5 6.65	12 52 31.0	29 22.3	0.04 7190	8446	22 35.1
22	14 38 50.58	5 15.99	13 21 53.3	29 59.9	0.05 5636	7973	22 36.4
23	14 44 6.57	5 24.26	13 51 53.2	30 25.0	0.06 3609	7518	22 37.9
24	14 49 30.83		14 22 18.2		0.07 1127		22 39.4

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	m s	° ′ ″	′ ″			h m
Nov. 24	14 49 30.83	5 31.58	−14 22 18.2	30 38.8	0.07 1127	7082	22 39.4
25	14 55 2.41	5 38.10	14 52 57.0	30 42.7	0.07 8209	6666	22 41.1
26	15 0 40.51	5 43.93	15 23 39.7	30 38.0	0.08 4875	6270	22 42.9
27	15 6 24.44	5 49.18	15 54 17.7	30 26.0	0.09 1145	5893	22 44.8
28	15 12 13.62	5 53.94	16 24 43.7	30 7.0	0.09 7038	5534	22 46.7
29	15 18 7.56	5 58.28	16 54 50.7	29 42.3	0.10 2572	5194	22 48.7
30	15 24 5.84	6 2.28	−17 24 33.0	29 12.2	0.10 7766	4870	22 50.8
Dez. 1	15 30 8.12	6 5.97	17 53 45.2	28 37.6	0.11 2636	4561	22 53.0
2	15 36 14.09	6 9.42	18 22 22.8	27 58.7	0.11 7197	4268	22 55.2
3	15 42 23.51	6 12.66	18 50 21.5	27 16.2	0.12 1465	3989	22 57.5
4	15 48 36.17	6 15.73	19 17 37.7	26 30.3	0.12 5454	3722	22 59.8
5	15 54 51.90	6 18.64	19 44 8.0	25 41.4	0.12 9176	3467	23 2.2
6	16 1 10.54	6 21.44	−20 9 49.4	24 49.6	0.13 2643	3222	23 4.6
7	16 7 31.98	6 24.13	20 34 39.0	23 55.3	0.13 5865	2989	23 7.1
8	16 13 56.11	6 26.71	20 58 34.3	22 58.7	0.13 8854	2764	23 9.6
9	16 20 22.82	6 29.23	21 21 33.0	21 59.9	0.14 1618	2547	23 12.1
10	16 26 52.05	6 31.67	21 43 32.9	20 59.0	0.14 4165	2338	23 14.7
11	16 33 23.72	6 34.06	22 4 31.9	19 56.1	0.14 6503	2136	23 17.3
12	16 39 57.78	6 36.37	−22 24 28.0	18 51.6	0.14 8639	1939	23 20.0
13	16 46 34.15	6 38.64	22 43 19.6	17 45.3	0.15 0578	1749	23 22.7
14	16 53 12.79	6 40.85	23 1 4.9	16 37.2	0.15 2327	1563	23 25.4
15	16 59 53.64	6 43.01	23 17 42.1	15 27.5	0.15 3890	1382	23 28.2
16	17 6 36.65	6 45.13	23 33 9.6	14 16.5	0.15 5272	1203	23 31.0
17	17 13 21.78	6 47.18	23 47 26.1	13 3.8	0.15 6475	1028	23 33.9
18	17 20 8.96	6 49.18	−24 0 29.9	11 49.6	0.15 7503	855	23 36.8
19	17 26 58.14	6 51.11	24 12 19.5	10 34.0	0.15 8358	684	23 39.7
20	17 33 49.25	6 52.97	24 22 53.5	9 17.2	0.15 9042	514	23 42.6
21	17 40 42.22	6 54.77	24 32 10.7	7 58.9	0.15 9556	345	23 45.6
22	17 47 36.99	6 56.49	24 40 9.6	6 39.3	0.15 9901	177	23 48.6
23	17 54 33.48	6 58.12	24 46 48.9	5 18.4	0.16 0078	8	23 51.6
24	18 1 31.60	6 59.65	−24 52 7.3	3 56.3	0.16 0086	163	23 54.7
25	18 8 31.25	7 1.11	24 56 3.6	2 33.0	0.15 9923	333	23 57.8
26	18 15 32.36	7 2.44	24 58 36.6	1 8.3	0.15 9590	506	—
27	18 22 34.80	7 3.67	24 59 44.9	0 17.4	0.15 9084	682	0 0.9
28	18 29 38.47	7 4.77	24 59 27.5	1 44.2	0.15 8402	861	0 4.0
29	18 36 43.24	7 5.75	24 57 43.3	3 12.2	0.15 7541	1042	0 7.1
30	18 43 48.99	7 6.59	−24 54 31.1	4 41.1	0.15 6499	1229	0 10.3
31	18 50 55.58	7 7.27	24 49 50.0	6 11.0	0.15 5270	1420	0 13.5
32	18 58 2.85		24 43 39.0		0.15 3850		0 16.7

Tag		0h mittlere Zeit Greenwich: Scheinbare Rektaszension	Diff.	Scheinbare Deklination	Diff.	log Δ	Diff.	Obere Kulmination in Greenwich
1921		h m s	m s	° ′ ″	′ ″			h m
Jan.	0	21 42 9.97	4 32.04	—15 39 30.8	25 21.1	9.99 5162	3023	3 3.8
	1	21 46 42.01	4 30.38	15 14 9.7	25 43.0	9.99 2139	3053	3 4.4
	2	21 51 12.39	4 28.75	14 48 26.7	26 4.1	9.98 9086	3083	3 5.0
	3	21 55 41.14	4 27.12	14 22 22.6	26 24.3	9.98 6003	3114	3 5.5
	4	22 0 8.26	4 25.49	13 55 58.3	26 43.8	9.98 2889	3145	3 6.0
	5	22 4 33.75	4 23.89	13 29 14.5	27 2.4	9.97 9744	3177	3 6.5
	•6	22 8 57.64	4 22.29	—13 2 12.1	27 20.3	9.97 6567	3210	3 6.9
	7	22 13 19.93	4 20.71	12 34 51.8	27 37.3	9.97 3357	3243	3 7.3
	8	22 17 40.64	4 19.13	12 7 14.5	27 53.5	9.97 0114	3277	3 7.7
	9	22 21 59.77	4 17.56	11 39 21.0	28 8.9	9.96 6837	3310	3 8.1
	10	22 26 17.33	4 16.01	11 11 12.1	28 23.5	9.96 3527	3346	3 8.5
	11	22 30 33.34	4 14.47	10 42 48.6	28 37.4	9.96 0181	3380	3 8.8
	12	22 34 47.81	4 12.94	—10 14 11.2	28 50.3	9.95 6801	3417	3 9.1
	13	22 39 0.75	4 11.42	9 45 20.9	29 2.6	9.95 3384	3453	3 9.4
	14	22 43 12.17	4 9.92	9 16 18.3	29 14.0	9.94 9931	3490	3 9.6
	15	22 47 22.09	4 8.42	8 47 4.3	29 24.7	9.94 6441	3528	3 9.8
	16	22 51 30.51	4 6.94	8 17 39.6	29 34.4	9.94 2913	3565	3 10.0
	17	22 55 37.45	4 5.45	7 48 5.2	29 43.5	9.93 9348	3604	3 10.2
	18	22 59 42.90	4 3.99	— 7 18 21.7	29 51.7	9.93 5744	3643	3 10.3
	19	23 3 46.89	4 2.52	6 48 30.0	29 59.2	9.93 2101	3682	3 10.5
	20	23 7 49.41	4 1.08	6 18 30.8	30 6.0	9.92 8419	3722	3 10.6
	21	23 11 50.49	3 59.64	5 48 24.8	30 12.0	9.92 4697	3762	3 10.6
	22	23 15 50.13	3 58.21	5 18 12.8	30 17.2	9.92 0935	3803	3 10.7
	23	23 19 48.34	3 56.80	4 47 55.6	30 21.6	9.91 7132	3843	3 10.7
	24	23 23 45.14	3 55.39	— 4 17 34.0	30 25.5	9.91 3289	3885	3 10.7
	25	23 27 40.53	3 54.01	3 47 8.5	30 28.5	9.90 9404	3927	3 10.7
	26	23 31 34.54	3 52.63	3 16 40.0	30 30.9	9.90 5477	3970	3 10.6
	27	23 35 27.17	3 51.26	2 46 9.1	30 32.6	9.90 1507	4013	3 10.6
	28	23 39 18.43	3 49.90	2 15 36.5	30 33.4	9.89 7494	4057	3 10.5
	29	23 43 8.33	3 48.55	1 45 3.1	30 33.7	9.89 3437	4101	3 10.4
	30	23 46 56.88	3 47.20	— 1 14 29.4	30 33.2	9.88 9336	4146	3 10.2
	31	23 50 44.08	3 45.86	0 43 56.2	30 32.0	9.88 5190	4193	3 10.0
Febr.	1	23 54 29.94	3 44.51	— 0 13 24.2	30 30.1	9.88 0997	4239	3 9.9
	2	23 58 14.45	3 43.17	+ 0 17 5.9	30 27.4	9.87 6758	4287	3 9.7
	3	0 1 57.62	3 41.81	0 47 33.3	30 24.1	9.87 2471	4336	3 9.4
	4	0 5 39.43	3 40.44	1 17 57.4	30 20.0	9.86 8135	4385	3 9.2
	5	0 9 19.87	3 39.07	— 1 48 17.4	30 15.3	9.86 3750	4435	3 8.9
	6	0 12 58.94	3 37.68	2 18 32.7	30 9.7	9.85 9315	4486	3 8.6
	7	0 16 36.62	3 36.27	2 48 42.4	30 3.5	9.85 4829	4538	3 8.3
	8	0 20 12.89	3 34.84	3 18 45.9	29 56.6	9.85 0291	4590	3 8.0
	9	0 23 47.73	3 33.38	3 48 42.5	29 48.9	9.84 5701	4644	3 7.6
	10	0 27 21.11		4 18 31.4		9.84 1057		3 7.2

Tag	0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1921	h m s	m s	° ′ ″	′ ″			h m
Febr. 10	0 27 21.11	3 31.90	+ 4 18 31.4	29 40.4	9.84 1057	4699	3 7.2
11	0 30 53.01	3 30.38	4 48 11.8	29 31.3	9.83 6358	4754	3 6.8
12	0 34 23.39	3 28.83	5 17 43.1	29 21.4	9.83 1604	4809	3 6.4
13	0 37 52.22	3 27.22	5 47 4.5	29 10.8	9.82 6795	4866	3 5.9
14	0 41 19.44	3 25.58	6 16 15.3	28 59.5	9.82 1929	4924	3 5.4
15	0 44 45.02	3 23.89	6 45 14.8	28 47.4	9.81 7005	4981	3 4.9
16	0 48 8.91	3 22.14	+ 7 14 2.2	28 34.5	9.81 2024	5040	3 4.3
17	0 51 31.05	3 20.34	7 42 36.7	28 21.0	9.80 6984	5098	3 3.8
18	0 54 51.39	3 18.47	8 10 57.7	28 6.7	9.80 1886	5158	3 3.2
19	0 58 9.86	3 16.55	8 39 4.4	27 51.7	9.79 6728	5218	3 2.5
20	1 1 26.41	3 14.56	9 6 56.1	27 35.9	9.79 1510	5278	3 1.8
21	1 4 40.97	3 12.50	9 34 32.0	27 19.5	9.78 6232	5338	3 1.1
22	1 7 53.47	3 10.37	+10 1 51.5	27 2.2	9.78 0894	5399	3 0.4
23	1 11 3.84	3 8.16	10 28 53.7	26 44.3	9.77 5495	5459	2 59.6
24	1 14 12.00	3 5.88	10 55 38.0	26 25.6	9.77 0036	5521	2 58.8
25	1 17 17.88	3 3.50	11 22 3.6	26 6.2	9.76 4515	5582	2 58.0
26	1 20 21.38	3 1.04	11 48 9.8	25 46.1	9.75 8933	5644	2 57.1
27	1 23 22.42	2 58.48	12 13 55.9	25 25.3	9.75 3289	5706	2 56.2
28	1 26 20.90	2 55.82	+12 39 21.2	25 3.6	9.74 7583	5769	2 55.2
März 1	1 29 16.72	2 53.04	13 4 24.8	24 41.2	9.74 1814	5831	2 54.2
2	1 32 9.76	2 50.13	13 29 6.0	24 18.0	9.73 5983	5894	2 53.1
3	1 34 59.89	2 47.10	13 53 24.0	23 54.0	9.73 0089	5956	2 52.0
4	1 37 46.99	2 43.93	14 17 18.0	23 29.1	9.72 4133	6020	2 50.8
5	1 40 30.92	2 40.61	14 40 47.1	23 3.3	9.71 8113	6081	2 49.6
6	1 43 11.53	2 37.14	+15 3 50.4	22 36.6	9.71 2032	6144	2 48.3
7	1 45 48.67	2 33.51	15 26 27.0	22 9.1	9.70 5888	6206	2 47.0
8	1 48 22.18	2 29.69	15 48 36.1	21 40.5	9.69 9682	6266	2 45.6
9	1 50 51.87	2 25.71	16 10 16.6	21 11.1	9.69 3416	6327	2 44.2
10	1 53 17.58	2 21.51	16 31 27.7	20 40.5	9.68 7089	6386	2 42.6
11	1 55 39.09	2 17.14	16 52 8.2	20 8.9	9.68 0703	6444	2 41.0
12	1 57 56.23	2 12.51	+17 12 17.1	19 36.0	9.67 4259	6500	2 39.4
13	2 0 8.74	2 7.70	17 31 53.1	19 2.1	9.66 7759	6554	2 37.6
14	2 2 16.44	2 2.63	17 50 55.2	18 27.0	9.66 1205	6605	2 35.8
15	2 4 19.07	1 57.32	18 9 22.2	17 50.5	9.65 4600	6654	2 33.9
16	2 6 16.39	1 51.77	18 27 12.7	17 12.6	9.64 7946	6699	2 31.9
17	2 8 8.16	1 45.97	18 44 25.3	16 33.3	9.64 1247	6741	2 29.8
18	2 9 54.13	1 39.91	+19 0 58.6	15 52.6	9.63 4506	6778	2 27.7
19	2 11 34.04	1 33.58	19 16 51.2	15 10.2	9.62 7728	6810	2 25.4
20	2 13 7.62	1 27.00	19 32 1.4	14 26.2	9.62 0918	6836	2 23.0
21	2 14 34.62	1 20.15	19 46 27.6	13 40.4	9.61 4082	6856	2 20.5
22	2 15 54.77	1 13.06	20 0 8.0	12 52.9	9.60 7226	6868	2 17.9
23	2 17 7.83		20 13 0.9		9.60 0358		2 15.1

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		0h mittlere Zeit Greenwich: Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	m s	° ′ ″	′ ″			h m
März 23	2 17 7.83	1 5.71	+20 13 0.9	12 3.5	9.60 0358	6874	2 15.1
24	2 18 13.54	0 58.11	20 25 4.4	11 12.2	9.59 3484	6872	2 12.3
25	2 19 11.65	0 50.27	20 36 16.6	10 18.8	9.58 6612	6858	2 9.3
26	2 20 1.92	0 42.19	20 46 35.4	9 23.2	9.57 9754	6837	2 6.2
27	2 20 44.11	0 33.90	20 55 58.6	8 25.6	9.57 2917	6805	2 3.0
28	2 21 18.01	0 25.41	21 4 24.2	7 25.5	9.56 6112	6760	1 59.6
29	2 21 43.42	0 16.73	+21 11 49.7	6 23.2	9.55 9352	6704	1 56.1
30	2 22 0.15	0 7.87	21 18 12.9	5 18.4	9.55 2648	6634	1 52.4
31	2 22 8.02	0 1.13	21 23 31.3	4 11.3	9.54 6014	6549	1 48.6
April 1	2 22 6.89	0 10.23	21 27 42.6	3 1.7	9.53 9465	6450	1 44.6
2	2 21 56.66	0 19.42	21 30 44.3	1 49.5	9.53 3015	6334	1 40.5
3	2 21 37.24	0 28.64	21 32 33.8	0 35.0	9.52 6681	6199	1 36.2
4	2 21 8.60	0 37.87	+21 33 8.8	0 41.7	9.52 0482	6048	1 31.8
5	2 20 30.73	0 47.02	21 32 27.1	2 0.6	9.51 4434	5877	1 27.2
6	2 19 43.71	0 56.06	21 30 26.5	3 21.7	9.50 8557	5685	1 22.5
7	2 18 47.65	1 4.94	21 27 4.8	4 44.5	9.50 2872	5472	1 17.7
8	2 17 42.71	1 13.58	21 22 20.3	6 8.9	9.49 7400	5238	1 12.7
9	2 16 29.13	1 21.94	21 16 11.4	7 34.3	9.49 2162	4982	1 7.5
10	2 15 7.19	1 29.93	+21 8 37.1	9 0.5	9.48 7180	4702	1 2.2
11	2 13 37.26	1 37.48	20 59 36.6	10 26.9	9.48 2478	4401	0 56.8
12	2 11 59.78	1 44.50	20 49 9.7	11 53.0	9.47 8077	4077	0 51.2
13	2 10 15.28	1 50.92	20 37 16.7	13 18.2	9.47 4000	3730	0 45.6
14	2 8 24.36	1 56.68	20 23 58.5	14 41.6	9.47 0270	3363	0 39.8
15	2 6 27.68	2 1.72	20 9 16.9	16 2.7	9.46 6907	2975	0 33.9
16	2 4 25.96	2 5.96	+19 53 14.2	17 20.5	9.46 3932	2568	0 28.0
17	2 2 20.00	2 9.37	19 35 53.7	18 34.2	9.46 1364	2144	0 22.0
18	2 0 10.63	2 11.86	19 17 19.5	19 43.1	9.45 9220	1705	0 15.9
19	1 57 58.77	2 13.42	18 57 36.4	20 46.4	9.45 7515	1255	0 9.8
20	1 55 45.35	2 14.03	18 36 50.0	21 43.3	9.45 6260	795	0 3.6 23 57.5
21	1 53 31.32	2 13.68	18 15 6.7	22 33.2	9.45 5465	329	23 51.3
22	1 51 17.64	2 12.38	+17 52 33.5	23 15.7	9.45 5136	140	23 45.2
23	1 49 5.26	2 10.16	17 29 17.8	23 50.0	9.45 5276	609	23 39.1
24	1 46 55.10	2 7.03	17 5 27.8	24 15.9	9.45 5885	1074	23 33.1
25	1 44 48.07	2 3.07	16 41 11.9	24 33.3	9.45 6959	1533	23 27.1
26	1 42 45.00	1 58.30	16 16 38.6	24 42.4	9.45 8492	1982	23 21.2
27	1 40 46.70	1 52.81	15 51 56.2	24 42.9	9.46 0474	2419	23 15.4
28	1 38 53.89	1 46.64	+15 27 13.3	24 35.0	9.46 2893	2841	23 9.7
29	1 37 7.25	1 39.88	15 2 38.3	24 19.2	9.46 5734	3247	23 4.1
30	1 35 27.37	1 32.61	14 38 19.1	23 56.0	9.46 8981	3634	22 58.7
Mai 1	1 33 54.76	1 24.90	14 14 23.1	23 25.6	9.47 2615	3999	22 53.3
2	1 32 29.86	1 16.81	13 50 57.5	22 48.6	9.47 6614	4345	22 48.1
3	1 31 13.05		13 28 8.9		9.48 0959		22 43.0

Tag		0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1921		h m s	m s	° ′ ″	′ ″			h m
Mai	3	1 31 13.05	1 8.43	+13 28 8.9	22 5.7	9.48 0959	4668	22 43.0
	4	1 30 4.62	0 59.83	13 6 3.2	21 17.8	9.48 5627	4967	22 38.1
	5	1 29 4.79	0 51.08	12 44 45.4	20 25.1	9.49 0594	5246	22 33.3
	6	1 28 13.71	0 42.21	12 24 20.3	19 28.6	9.49 5840	5500	22 28.7
	7	1 27 31.50	0 33.28	12 4 51.7	18 28.6	9.50 1340	5732	22 24.2
	8	1 26 58.22	0 24.36	11 46 23.1	17 26.1	9.50 7072	5943	22 19.8
	9	1 26 33.86	0 15.48	+11 28 57.0	16 21.3	9.51 3015	6133	22 15.6
	10	1 26 18.38	0 6.69	11 12 35.7	15 15.0	9.51 9148	6302	22 11.6
	11	1 26 11.69	0 2.00	10 57 20.7	14 7.4	9.52 5450	6453	22 7.7
	12	1 26 13.69	0 10.55	10 43 13.3	12 59.3	9.53 1903	6585	22 3.9
	13	1 26 24.24	0 18.97	10 30 14.0	11 50.6	9.53 8488	6701	22 0.3
	14	1 26 43.21	0 27.22	10 18 23.4	10 42.0	9.54 5189	6798	21 56.8
	15	1 27 10.43	0 35.29	+10 7 41.4	9 33.9	9.55 1987	6882	21 53.4
	16	1 27 45.72	0 43.18	9 58 7.5	8 26.4	9.55 8869	6950	21 50.2
	17	1 28 28.90	0 50.86	9 49 41.1	7 19.9	9.56 5819	7006	21 47.1
	18	1 29 19.76	0 58.33	9 42 21.2	6 14.2	9.57 2825	7049	21 44.1
	19	1 30 18.09	1 5.58	9 36 7.0	5 10.0	9.57 9874	7079	21 41.3
	20	1 31 23.67	1 12.63	9 30 57.0	4 7.2	9.58 6953	7100	21 38.5
	21	1 32 36.30	1 19.47	+ 9 26 49.8	3 5.9	9.59 4053	7110	21 35.9
	22	1 33 55.77	1 26.08	9 23 43.9	2 6.5	9.60 1163	7111	21 33.4
	23	1 35 21.85	1 32.47	9 21 37.4	1 8.7	9.60 8274	7104	21 31.0
	24	1 36 54.32	1 38.64	9 20 28.7	0 12.8	9.61 5378	7089	21 28.7
	25	1 38 32.96	1 44.59	9 20 15.9	0 41.1	9.62 2467	7067	21 26.5
	26	1 40 17.55	1 50.34	9 20 57.0	1 33.1	9.62 9534	7039	21 24.4
	27	1 42 7.89	1 55.89	+ 9 22 30.1	2 23.0	9.63 6573	7006	21 22.3
	28	1 44 3.78	2 1.23	9 24 53.1	3 11.1	9.64 3579	6967	21 20.4
	29	1 46 5.01	2 6.38	9 28 4.2	3 57.2	9.65 0546	6924	21 18.6
	30	1 48 11.39	2 11.34	9 32 1.4	4 41.2	9.65 7470	6878	21 16.8
	31	1 50 22.73	2 16.12	9 36 42.6	5 23.4	9.66 4348	6828	21 15.1
Juni	1	1 52 38.85	2 20.72	9 42 6.0	6 3.5	9.67 1176	6775	21 13.5
	2	1 54 59.57	2 25.16	+ 9 48 9.5	6 41.8	9.67 7951	6719	21 12.0
	3	1 57 24.73	2 29.42	9 54 51.3	7 18.1	9.68 4670	6661	21 10.5
	4	1 59 54.15	2 33.55	10 2 9.4	7 52.6	9.69 1331	6602	21 9.1
	5	2 2 27.70	2 37.51	10 10 2.0	8 25.3	9.69 7933	6541	21 7.8
	6	2 5 5.21	2 41.34	10 18 27.3	8 56.1	9.70 4474	6479	21 6.6
	7	2 7 46.55	2 45.04	10 27 23.4	9 25.3	9.71 0953	6417	21 5.4
	8	2 10 31.59	2 48.63	+10 36 48.7	9 52.8	9.71 7370	6353	21 4.2
	9	2 13 20.22	2 52.09	10 46 41.5	10 18.5	9.72 3723	6289	21 3.1
	10	2 16 12.31	2 55.46	10 57 0.0	10 42.8	9.73 0012	6225	21 2.1
	11	2 19 7.77	2 58.72	11 7 42.8	11 5.5	9.73 6237	6161	21 1.2
	12	2 22 6.49	3 1.90	11 18 48.3	11 26.6	9.74 2398	6096	21 0.3
	13	2 25 8.39		11 30 14.9		9.74 8494		20 59.4

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	m s	° ′ ″	′ ″			h m
Juni 13	2 25 8.39	3 5.00	+11 30 14.9	11 46.3	9.74 8494	6033	20 59.4
14	2 28 13.39	3 8.01	11 42 1.2	12 4.5	9.75 4527	5968	20 58.6
15	2 31 21.40	3 10.96	11 54 5.7	12 21.4	9.76 0495	5904	20 57.8
16	2 34 32.36	3 13.84	12 6 27.1	12 36.9	9.76 6399	5840	20 57.1
17	2 37 46.20	3 16.65	12 19 4.0	12 50.8	9.77 2239	5776	20 56.4
18	2 41 2.85	3 19.40	12 31 54.8	13 3.5	9.77 8015	5713	20 55.8
19	2 44 22.25	3 22.09	+12 44 58.3	13 14.9	9.78 3728	5648	20 55.2
20	2 47 44.34	3 24.73	12 58 13.2	13 24.9	9.78 9376	5586	20 54.7
21	2 51 9.07	3 27.31	13 11 38.1	13 33.7	9.79 4962	5522	20 54.2
22	2 54 36.38	3 29.84	13 25 11.8	13 41.2	9.80 0484	5460	20 53.7
23	2 58 6.22	3 32.32	13 38 53.0	13 47.5	9.80 5944	5397	20 53.3
24	3 1 38.54	3 34.74	13 52 40.5	13 52.6	9.81 1341	5335	20 52.9
25	3 5 13.28	3 37.14	+14 6 33.1	13 56.5	9.81 6676	5274	20 52.6
26	3 8 50.42	3 39.47	14 20 29.6	13 59.1	9.82 1950	5212	20 52.3
27	3 12 29.89	3 41.77	14 34 28.7	14 0.7	9.82 7162	5152	20 52.1
28	3 16 11.66	3 44.01	14 48 29.4	14 1.1	9.83 2314	5092	20 51.9
29	3 19 55.67	3 46.23	15 2 30.5	14 0.4	9.83 7406	5032	20 51.7
30	3 23 41.90	3 48.40	15 16 30.9	13 58.5	9.84 2438	4973	20 51.5
Juli 1	3 27 30.30	3 50.53	+15 30 29.4	13 55.7	9.84 7411	4915	20 51.4
2	3 31 20.83	3 52.62	15 44 25.1	13 51.6	9.85 2326	4857	20 51.4
3	3 35 13.45	3 54.67	15 58 16.7	13 46.7	9.85 7183	4800	20 51.3
4	3 39 8.12	3 56.69	16 12 3.4	13 40.5	9.86 1983	4744	20 51.3
5	3 43 4.81	3 58.67	16 25 43.9	13 33.5	9.86 6727	4689	20 51.4
6	3 47 3.48	4 0.61	16 39 17.4	13 25.5	9.87 1416	4634	20 51.4
7	3 51 4.09	4 2.54	+16 52 42.9	13 16.4	9.87 6050	4581	20 51.5
8	3 55 6.63	4 4.42	17 5 59.3	13 6.4	9.88 0631	4527	20 51.6
9	3 59 11.05	4 6.28	17 19 5.7	12 55.5	9.88 5158	4476	20 51.8
10	4 3 17.33	4 8.11	17 32 1.2	12 43.7	9.88 9634	4425	20 52.0
11	4 7 25.44	4 9.93	17 44 44.9	12 30.9	9.89 4059	4375	20 52.2
12	4 11 35.37	4 11.72	17 57 15.8	12 17.3	9.89 8434	4326	20 52.5
13	4 15 47.09	4 13.49	+18 9 33.1	12 2.8	9.90 2760	4277	20 52.7
14	4 20 0.58	4 15.24	18 21 35.9	11 47.5	9.90 7037	4228	20 53.0
15	4 24 15.82	4 16.96	18 33 23.4	11 31.3	9.91 1265	4181	20 53.4
16	4 28 32.78	4 18.66	18 44 54.7	11 14.3	9.91 5446	4135	20 53.7
17	4 32 51.44	4 20.33	18 56 9.0	10 56.5	9.91 9581	4088	20 54.1
18	4 37 11.77	4 21.99	19 7 5.5	10 37.9	9.92 3669	4042	20 54.6
19	4 41 33.76	4 23.60	+19 17 43.4	10 18.4	9.92 7711	3997	20 55.0
20	4 45 57.36	4 25.19	19 28 1.8	9 58.2	9.93 1708	3952	20 55.5
21	4 50 22.55	4 26.76	19 38 0.0	9 37.2	9.93 5660	3908	20 56.0
22	4 54 49.31	4 28.30	19 47 37.2	9 15.5	9.93 9568	3865	20 56.5
23	4 59 17.61	4 29.80	19 56 52.7	8 53.0	9.94 3433	3821	20 57.1
24	5 3 47.41		20 5 45.7		9.94 7254		20 57.6

Tag		0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1921		h m s	m s	° ′ ″	′ ″			h m
Juli	24	5 3 47.41	4 31.25	+20 5 45.7	8 29.8	9.94 7254	3778	20 57.6
	25	5 8 18.66	4 32.69	20 14 15.5	8 6.0	9.95 1032	3735	20 58.2
	26	5 12 51.35	4 34.08	20 22 21.5	7 41.4	9.95 4767	3694	20 58.9
	27	5 17 25.43	4 35.44	20 30 2.9	7 16.3	9.95 8461	3652	20 59.5
	28	5 22 0.87	4 36.74	20 37 19.2	6 50.4	9.96 2113	3611	21 0.2
	29	5 26 37.61	4 38.02	20 44 9.6	6 24.0	9.96 5724	3570	21 0.9
	30	5 31 15.63	4 39.24	+20 50 33.6	5 57.1	9.96 9294	3530	21 1.6
	31	5 35 54.87	4 40.42	20 56 30.7	5 29.4	9.97 2824	3490	21 2.3
Aug.	1	5 40 35.29	4 41.56	21 2 0.1	5 1.2	9.97 6314	3451	21 3.0
	2	5 45 16.85	4 42.64	21 7 1.3	4 32.6	9.97 9765	3412	21 3.8
	3	5 49 59.49	4 43.68	21 11 33.9	4 3.4	9.98 3177	3374	21 4.6
	4	5 54 43.17	4 44.67	21 15 37.3	3 33.8	9.98 6551	3336	21 5.4
	5	5 59 27.84	4 45.61	+21 19 11.1	3 3.6	9.98 9887	3299	21 6.2
	6	6 4 13.45	4 46.51	21 22 14.7	2 33.1	9.99 3186	3263	21 7.0
	7	6 8 59.96	4 47.35	21 24 47.8	2 2.1	9.99 6449	3227	21 7.9
	8	6 13 47.31	4 48.16	21 26 49.9	1 30.8	9.99 9676	3192	21 8.7
	9	6 18 35.47	4 48.92	21 28 20.7	0 59.1	0.00 2868	3158	21 9.6
	10	6 23 24.39	4 49.63	21 29 19.8	0 27.1	0.00 6026	3123	21 10.5
	11	6 28 14.02	4 50.31	+21 29 46.9	0 5.3	0.00 9149	3090	21 11.4
	12	6 33 4.33	4 50.92	21 29 41.6	0 38.0	0.01 2239	3056	21 12.3
	13	6 37 55.25	4 51.51	21 29 3.6	1 10.9	0.01 5295	3024	21 13.2
	14	6 42 46.76	4 52.04	21 27 52.7	1 44.0	0.01 8319	2991	21 14.2
	15	6 47 38.80	4 52.54	21 26 8.7	2 17.5	0.02 1310	2959	21 15.1
	16	6 52 31.34	4 52.97	21 23 51.2	2 50.9	0.02 4269	2927	21 16.0
	17	6 57 24.31	4 53.36	+21 21 0.3	3 24.7	0.02 7196	2896	21 17.0
	18	7 2 17.67	4 53.72	21 17 35.6	3 58.5	0.03 0092	2865	21 17.9
	19	7 7 11.39	4 54.02	21 13 37.1	4 32.5	0.03 2957	2834	21 18.9
	20	7 12 5.41	4 54.27	21 9 4.6	5 6.5	0.03 5791	2804	21 19.8
	21	7 16 59.68	4 54.48	21 3 58.1	5 40.5	0.03 8595	2773	21 20.8
	22	7 21 54.16	4 54.65	20 58 17.6	6 14.7	0.04 1368	2744	21 21.8
	23	7 26 48.81	4 54.76	+20 52 2.9	6 48.8	0.04 4112	2713	21 22.7
	24	7 31 43.57	4 54.83	20 45 14.1	7 22.9	0.04 6825	2684	21 23.7
	25	7 36 38.40	4 54.86	20 37 51.2	7 56.9	0.04 9509	2655	21 24.7
	26	7 41 33.26	4 54.85	20 29 54.3	8 30.8	0.05 2164	2625	21 25.7
	27	7 46 28.11	4 54.78	20 21 23.5	9 4.7	0.05 4789	2597	21 26.6
	28	7 51 22.89	4 54.67	20 12 18.8	9 38.2	0.05 7386	2568	21 27.6
	29	7 56 17.56	4 54.53	+20 2 40.6	10 11.8	0.05 9954	2539	21 28.6
	30	8 1 12.09	4 54.33	19 52 28.8	10 45.1	0.06 2493	2512	21 29.5
	31	8 6 6.42	4 54.10	19 41 43.7	11 18.1	0.06 5005	2483	21 30.5
Sept.	1	8 11 0.52	4 53.81	19 30 25.6	11 51.1	0.06 7488	2456	21 31.4
	2	8 15 54.33	4 53.50	19 18 34.5	12 23.6	0.06 9944	2429	21 32.4
	3	8 20 47.83		19 6 10.9		0.07 2373		21 33.3

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	m s	° ′ ″	′ ″			h m
Sept. 3	8 20 47.83	4 53.16	+19 6 10.9	12 55.9	0.07 2373	2403	21 33.3
4	8 25 40.99	4 52.77	18 53 15.0	13 27.9	0.07 4776	2376	21 34.3
5	8 30 33.76	4 52.37	18 39 47.1	13 59.6	0.07 7152	2350	21 35.2
6	8 35 26.13	4 51.94	18 25 47.5	14 31.0	0.07 9502	2324	21 36.1
7	8 40 18.07	4 51.48	18 11 16.5	15 1.9	0.08 1826	2300	21 37.0
8	8 45 9.55	4 51.00	17 56 14.6	15 32.6	0.08 4126	2274	21 37.9
9	8 50 0.55	4 50.49	+17 40 42.0	16 2.8	0.08 6400	2250	21 38.8
10	8 54 51.04	4 49.98	17 24 39.2	16 32.7	0.08 8650	2226	21 39.7
11	8 59 41.02	4 49.45	17 8 6.5	17 2.1	0.09 0876	2202	21 40.6
12	9 4 30.47	4 48.90	16 51 4.4	17 31.0	0.09 3078	2178	21 41.5
13	9 9 19.37	4 48.34	16 33 33.4	17 59.7	0.09 5256	2154	21 42.4
14	9 14 7.71	4 47.77	16 15 33.7	18 27.7	0.09 7410	2131	21 43.2
15	9 18 55.48	4 47.20	+15 57 6.0	18 55.3	0.09 9541	2108	21 44.1
16	9 23 42.68	4 46.62	15 38 10.7	19 22.4	0.10 1649	2086	21 44.9
17	9 28 29.30	4 46.03	15 18 48.3	19 49.0	0.10 3735	2062	21 45.7
18	9 33 15.33	4 45.44	14 58 59.3	20 15.1	0.10 5797	2040	21 46.6
19	9 38 0.77	4 44.85	14 38 44.2	20 40.6	0.10 7837	2018	21 47.4
20	9 42 45.62	4 44.26	14 18 3.6	21 5.6	0.10 9855	1995	21 48.2
21	9 47 29.88	4 43.68	+13 56 58.0	21 30.0	0.11 1850	1973	21 48.9
22	9 52 13.56	4 43.08	13 35 28.0	21 53.8	0.11 3823	1951	21 49.7
23	9 56 56.64	4 42.50	13 13 34.2	22 17.1	0.11 5774	1930	21 50.5
24	10 1 39.14	4 41.92	12 51 17.1	22 39.8	0.11 7704	1907	21 51.2
25	10 6 21.06	4 41.35	12 28 37.3	23 1.8	0.11 9611	1886	21 52.0
26	10 11 2.41	4 40.78	12 5 35.5	23 23.3	0.12 1497	1864	21 52.7
27	10 15 43.19	4 40.23	+11 42 12.2	23 44.1	0.12 3361	1842	21 53.5
28	10 20 23.42	4 39.68	11 18 28.1	24 4.2	0.12 5203	1821	21 54.2
29	10 25 3.10	4 39.14	10 54 23.9	24 23.7	0.12 7024	1801	21 54.9
30	10 29 42.24	4 38.61	10 30 0.2	24 42.7	0.12 8825	1779	21 55.6
Okt. 1	10 34 20.85	4 38.10	10 5 17.5	25 0.9	0.13 0604	1758	21 56.3
2	10 38 58.95	4 37.59	9 40 16.6	25 18.4	0.13 2362	1738	21 57.0
3	10 43 36.54	4 37.12	+ 9 14 58.2	25 35.3	0.13 4100	1718	21 57.6
4	10 48 13.66	4 36.66	8 49 22.9	25 51.5	0.13 5818	1698	21 58.3
5	10 52 50.32	4 36.22	8 23 31.4	26 7.1	0.13 7516	1678	21 59.0
6	10 57 26.54	4 35.79	7 57 24.3	26 21.9	0.13 9194	1659	21 59.6
7	11 2 2.33	4 35.41	7 31 2.4	26 36.2	0.14 0853	1640	22 0.3
8	11 6 37.74	4 35.03	7 4 26.2	26 49.7	0.14 2493	1620	22 0.9
9	11 11 12.77	4 34.70	+ 6 37 36.5	27 2.6	0.14 4113	1602	22 1.6
10	11 15 47.47	4 34.39	6 10 33.9	27 14.9	0.14 5715	1584	22 2.2
11	11 20 21.86	4 34.10	5 43 19.0	27 26.4	0.14 7299	1565	22 2.8
12	11 24 55.96	4 33.85	5 15 52.6	27 37.2	0.14 8864	1547	22 3.4
13	11 29 29.81	4 33.64	4 48 15.4	27 47.4	0.15 0411	1529	22 4.1
14	11 34 3.45		4 20 28.0		0.15 1940		22 4.7

Tag	0ʰ mittlere Zeit Greenwich						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1921	h m s	m s	° ′ ″	′ ″			h m
Okt. 14	11 34 3.45	4 33.45	+ 4 20 28.0	27 56.8	0.15 1940	1512	22 4.7
15	11 38 36.90	4 33.29	3 52 31.2	28 5.7	0.15 3452	1493	22 5.3
16	11 43 10.19	4 33.17	3 24 25.5	28 13.7	0.15 4945	1476	22 5.9
17	11 47 43.36	4 33.09	2 56 11.8	28 21.1	0.15 6421	1459	22 6.5
18	11 52 16.45	4 33.04	2 27 50.7	28 27.8	0.15 7880	1441	22 7.1
19	11 56 49.49	4 33.02	1 59 22.9	28 33.8	0.15 9321	1423	22 7.7
20	12 1 22.51	4 33.04	+ 1 30 49.1	28 39.0	0.16 0744	1407	22 8.3
21	12 5 55.55	4 33.10	1 2 10.1	28 43.6	0.16 2151	1389	22 8.9
22	12 10 28.65	4 33.18	0 33 26.5	28 47.4	0.16 3540	1373	22 9.5
23	12 15 1.83	4 33.31	+ 0 4 39.1	28 50.4	0.16 4913	1355	22 10.2
24	12 19 35.14	4 33.47	− 0 24 11.3	28 52.8	0.16 6268	1338	22 10.8
25	12 24 8.61	4 33.67	0 53 4.1	28 54.4	0.16 7606	1321	22 11.4
26	12 28 42.28	4 33.89	− 1 21 58.5	28 55.2	0.16 8927	1305	22 12.0
27	12 33 16.17	4 34.16	1 50 53.7	28 55.3	0.17 0232	1287	22 12.6
28	12 37 50.33	4 34.45	2 19 49.0	28 54.7	0.17 1519	1271	22 13.3
29	12 42 24.78	4 34.78	2 48 43.7	28 53.3	0.17 2790	1254	22 13.9
30	12 46 59.56	4 35.14	3 17 37.0	28 51.1	0.17 4044	1238	22 14.6
31	12 51 34.70	4 35.54	3 46 28.1	28 48.2	0.17 5282	1222	22 15.2
Nov. 1	12 56 10.24	4 35.97	− 4 15 16.3	28 44.4	0.17 6504	1205	22 15.9
2	13 0 46.21	4 36.43	4 44 0.7	28 40.0	0.17 7709	1190	22 16.5
3	13 5 22.64	4 36.94	5 12 40.7	28 34.8	0.17 8899	1174	22 17.2
4	13 9 59.58	4 37.47	5 41 15.5	28 28.7	0.18 0073	1158	22 17.9
5	13 14 37.05	4 38.04	6 9 44.2	28 22.0	0.18 1231	1143	22 18.6
6	13 19 15.09	4 38.66	6 38 6.2	28 14.6	0.18 2374	1128	22 19.3
7	13 23 53.75	4 39.30	− 7 6 20.8	28 6.2	0.18 3502	1113	22 20.0
8	13 28 33.05	4 39.97	7 34 27.0	27 57.2	0.18 4615	1098	22 20.7
9	13 33 13.02	4 40.69	8 2 24.2	27 47.3	0.18 5713	1084	22 21.4
10	13 37 53.71	4 41.43	8 30 11.5	27 36.7	0.18 6797	1069	22 22.2
11	13 42 35.14	4 42.21	8 57 48.2	27 25.3	0.18 7866	1055	22 23.0
12	13 47 17.35	4 43.03	9 25 13.5	27 13.1	0.18 8921	1040	22 23.7
13	13 52 0.38	4 43.88	− 9 52 26.6	27 0.1	0.18 9961	1027	22 24.5
14	13 56 44.26	4 44.77	10 19 26.7	26 46.4	0.19 0988	1012	22 25.3
15	14 1 29.03	4 45.68	10 46 13.1	26 31.9	0.19 2000	999	22 26.1
16	14 6 14.71	4 46.63	11 12 45.0	26 16.6	0.19 2999	985	22 27.0
17	14 11 1.34	4 47.60	11 39 1.6	26 0.5	0.19 3984	971	22 27.8
18	14 15 48.94	4 48.61	12 5 2.1	25 43.5	0.19 4955	957	22 28.7
19	14 20 37.55	4 49.64	−12 30 45.6	25 25.9	0.19 5912	944	22 29.6
20	14 25 27.19	4 50.70	12 56 11.5	25 7.3	0.19 6856	930	22 30.5
21	14 30 17.89	4 51.77	13 21 18.8	24 48.1	0.19 7786	916	22 31.4
22	14 35 9.66	4 52.87	13 46 6.9	24 27.9	0.19 8702	903	22 32.3
23	14 40 2.53	4 53.98	14 10 34.8	24 7.0	0.19 9605	889	22 33.3
24	14 44 56.51		14 34 41.8		0.20 0494		22 34.3

Tag	0ʰ mittlere Zeit Greenwich: Scheinbare Rektaszension		0ʰ mittlere Zeit Greenwich: Scheinbare Deklination		0ʰ mittlere Zeit Greenwich: log Δ		Obere Kulmination in Greenwich
1921	h m s	m s	° ′ ″	′ ″			h m
Nov. 24	14 44 56.51	4 55.12	−14 34 41.8	23 45.2	0.20 0494	876	22 34.3
25	14 49 51.63	4 56.26	14 58 27.0	23 22.7	0.20 1370	861	22 35.3
26	14 54 47.89	4 57.43	15 21 49.7	22 59.3	0.20 2231	849	22 36.3
27	14 59 45.32	4 58.59	15 44 49.0	22 35.1	0.20 3080	835	22 37.3
28	15 4 43.91	4 59.76	16 7 24.1	22 10.1	0.20 3915	822	22 38.4
29	15 9 43.67	5 0.95	16 29 34.2	21 44.4	0.20 4737	808	22 39.4
30	15 14 44.62	5 2.13	−16 51 18.6	21 17.8	0.20 5545	795	22 40.5
Dez. 1	15 19 46.75	5 3.33	17 12 36.4	20 50.5	0.20 6340	783	22 41.6
2	15 24 50.08	5 4.51	17 33 26.9	20 22.3	0.20 7123	769	22 42.8
3	15 29 54.59	5 5.70	17 53 49.2	19 53.5	0.20 7892	757	22 43.9
4	15 35 0.29	5 6.89	18 13 42.7	19 23.8	0.20 8649	745	22 45.1
5	15 40 7.18	5 8.06	18 33 6.5	18 53.5	0.20 9394	732	22 46.3
6	15 45 15.24	5 9.25	−18 52 0.0	18 22.2	0.21 0126	719	22 47.5
7	15 50 24.49	5 10.40	19 10 22.2	17 50.4	0.21 0845	708	22 48.7
8	15 55 34.89	5 11.56	19 28 12.6	17 17.9	0.21 1553	696	22 50.0
9	16 0 46.45	5 12.69	19 45 30.5	16 44.5	0.21 2249	684	22 51.2
10	16 5 59.14	5 13.82	20 2 15.0	16 10.6	0.21 2933	672	22 52.5
11	16 11 12.96	5 14.92	20 18 25.6	15 35.9	0.21 3605	660	22 53.8
12	16 16 27.88	5 16.00	−20 34 1.5	15 0.6	0.21 4265	649	22 55.2
13	16 21 43.88	5 17.06	20 49 2.1	14 24.6	0.21 4914	638	22 56.5
14	16 27 0.94	5 18.09	21 3 26.7	13 48.1	0.21 5552	627	22 57.9
15	16 32 19.03	5 19.10	21 17 14.8	13 10.8	0.21 6179	615	22 59.2
16	16 37 38.13	5 20.08	21 30 25.6	12 33.1	0.21 6794	603	23 0.6
17	16 42 58.21	5 21.02	21 42 58.7	11 54.8	0.21 7397	593	23 2.0
18	16 48 19.23	5 21.93	−21 54 53.5	11 15.8	0.21 7990	582	23 3.5
19	16 53 41.16	5 22.79	22 6 9.3	10 36.5	0.21 8572	570	23 4.9
20	16 59 3.95	5 23.62	22 16 45.8	9 56.6	0.21 9142	559	23 6.4
21	17 4 27.57	5 24.39	22 26 42.4	9 16.2	0.21 9701	548	23 7.8
22	17 9 51.96	5 25.13	22 35 58.6	8 35.4	0.22 0249	536	23 9.3
23	17 15 17.09	5 25.81	22 44 34.0	7 54.2	0.22 0785	525	23 10.8
24	17 20 42.90	5 26.44	−22 52 28.2	7 12.6	0.22 1310	514	23 12.3
25	17 26 9.34	5 27.00	22 59 40.8	6 30.5	0.22 1824	503	23 13.8
26	17 31 36.34	5 27.53	23 6 11.3	5 48.3	0.22 2327	491	23 15.3
27	17 37 3.87	5 27.97	23 11 59.6	5 5.6	0.22 2818	480	23 16.8
28	17 42 31.84	5 28.37	23 17 5.2	4 22.8	0.22 3298	469	23 18.4
29	17 48 0.21	5 28.71	23 21 28.0	3 39.7	0.22 3767	458	23 19.9
30	17 53 28.92	5 28.98	−23 25 7.7	2 56.5	0.22 4225	447	23 21.5
31	17 58 57.90	5 29.18	23 28 4.2	2 12.9	0.22 4672	436	23 23.0
32	18 4 27.08		23 30 17.1		0.22 5108		23 24.5

Tag	0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1921	h m s	m s	° ′ ″	′ ″			h m
Jan. 0	21 55 30.34	2 59.19	−13 47 12.2	16 37.0	0.27 0893	1240	3 16.9
1	21 58 29.53	2 58.79	13 30 35.2	16 44.4	0.27 2133	1237	3 16.0
2	22 1 28.32	2 58.39	13 13 50.8	16 51.7	0.27 3370	1235	3 15.0
3	22 4 26.71	2 57.99	12 56 59.1	16 58.8	0.27 4605	1231	3 14.1
4	22 7 24.70	2 57.60	12 40 0.3	17 5.6	0.27 5836	1228	3 13.1
5	22 10 22.30	2 57.21	12 22 54.7	17 12.1	0.27 7064	1225	3 12.1
6	22 13 19.51	2 56.83	−12 5 42.6	17 18.6	0.27 8289	1222	3 11.1
7	22 16 16.34	2 56.44	11 48 24.0	17 24.8	0.27 9511	1219	3 10.1
8	22 19 12.78	2 56.07	11 30 59.2	17 30.7	0.28 0730	1215	3 9.1
9	22 22 8.85	2 55.69	11 13 28.5	17 36.6	0.28 1945	1212	3 8.1
10	22 25 4.54	2 55.32	10 55 51.9	17 42.2	0.28 3157	1208	3 7.1
11	22 27 59.86	2 54.95	10 38 9.7	17 47.5	0.28 4365	1205	3 6.1
12	22 30 54.81	2 54.59	−10 20 22.2	17 52.6	0.28 5570	1201	3 5.0
13	22 33 49.40	2 54.24	10 2 29.6	17 57.6	0.28 6771	1198	3 4.0
14	22 36 43.64	2 53.88	9 44 32.0	18 2.3	0.28 7969	1194	3 3.0
15	22 39 37.52	2 53.53	9 26 29.7	18 6.8	0.28 9163	1191	3 1.9
16	22 42 31.05	2 53.18	9 8 22.9	18 11.1	0.29 0354	1187	3 0.9
17	22 45 24.23	2 52.85	8 50 11.8	18 15.2	0.29 1541	1184	2 59.8
18	22 48 17.08	2 52.51	−8 31 56.6	18 19.1	0.29 2725	1180	2 58.8
19	22 51 9.59	2 52.17	8 13 37.5	18 22.8	0.29 3905	1176	2 57.7
20	22 54 1.76	2 51.85	7 55 14.7	18 26.3	0.29 5081	1174	2 56.6
21	22 56 53.61	2 51.54	7 36 48.4	18 29.5	0.29 6255	1169	2 55.5
22	22 59 45.15	2 51.23	7 18 18.9	18 32.6	0.29 7424	1167	2 54.4
23	23 2 36.38	2 50.92	6 59 46.3	18 35.6	0.29 8591	1163	2 53.4
24	23 5 27.30	2 50.63	−6 41 10.7	18 38.3	0.29 9754	1161	2 52.3
25	23 8 17.93	2 50.35	6 22 32.4	18 40.8	0.30 0915	1157	2 51.2
26	23 11 8.28	2 50.08	6 3 51.6	18 43.2	0.30 2072	1153	2 50.1
27	23 13 58.36	2 49.82	5 45 8.4	18 45.4	0.30 3225	1151	2 49.0
28	23 16 48.18	2 49.56	5 26 23.0	18 47.4	0.30 4376	1147	2 47.8
29	23 19 37.74	2 49.32	5 7 35.6	18 49.3	0.30 5523	1144	2 46.7
30	23 22 27.06	2 49.08	−4 48 46.3	18 50.9	0.30 6667	1140	2 45.6
31	23 25 16.14	2 48.86	4 29 55.4	18 52.3	0.30 7807	1137	2 44.5
Febr. 1	23 28 5.00	2 48.64	4 11 3.1	18 53.6	0.30 8944	1133	2 43.4
2	23 30 53.64	2 48.44	3 52 9.5	18 54.6	0.31 0077	1129	2 42.2
3	23 33 42.08	2 48.23	3 33 14.9	18 55.5	0.31 1206	1126	2 41.1
4	23 36 30.31	2 48.04	3 14 19.4	18 56.3	0.31 2332	1121	2 40.0
5	23 39 18.35	2 47.86	−2 55 23.1	18 56.7	0.31 3453	1118	2 38.8
6	23 42 6.21	2 47.68	2 36 26.4	18 57.1	0.31 4571	1113	2 37.7
7	23 44 53.89	2 47.51	2 17 29.3	18 57.2	0.31 5684	1110	2 36.5
8	23 47 41.40	2 47.34	1 58 32.1	18 57.2	0.31 6794	1105	2 35.4
9	23 50 28.74	2 47.18	1 39 34.9	18 56.9	0.31 7899	1101	2 34.2
10	23 53 15.92		1 20 38.0		0.31 9000		2 33.1

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	m s	° ′ ″	′ ″			h m
Febr. 10	23 53 15.92	2 47.03	− 1 20 38.0	18 56.5	0.31 9000	1096	2 33.1
11	23 56 2.95	2 46.88	1 1 41.5	18 55.9	0.32 0096	1093	2 31.9
12	23 58 49.83	2 46.74	0 42 45.6	18 55.0	0.32 1189	1088	2 30.7
13	0 1 36.57	2 46.61	0 23 50.6	18 54.1	0.32 2277	1083	2 29.6
14	0 4 23.18	2 46.49	− 0 4 56.5	18 52.9	0.32 3360	1079	2 28.4
15	0 7 9.67	2 46.36	+ 0 13 56.4	18 51.6	0.32 4439	1075	2 27.3
16	0 9 56.03	2 46.25	+ 0 32 48.0	18 50.0	0.32 5514	1070	2 26.1
17	0 12 42.28	2 46.14	0 51 38.0	18 48.3	0.32 6584	1066	2 24.9
18	0 15 28.42	2 46.04	1 10 26.3	18 46.5	0.32 7650	1061	2 23.7
19	0 18 14.46	2 45.95	1 29 12.8	18 44.4	0.32 8711	1057	2 22.6
20	0 21 0.41	2 45.87	1 47 57.2	18 42.2	0.32 9768	1053	2 21.4
21	0 23 46.28	2 45.80	2 6 39.4	18 39.9	0.33 0821	1049	2 20.2
22	0 26 32.08	2 45.73	+ 2 25 19.3	18 37.3	0.33 1870	1045	2 19.0
23	0 29 17.81	2 45.68	2 43 56.6	18 34.7	0.33 2915	1040	2 17.8
24	0 32 3.49	2 45.64	3 2 31.3	18 31.8	0.33 3955	1036	2 16.7
25	0 34 49.13	2 45.60	3 21 3.1	18 28.9	0.33 4991	1032	2 15.5
26	0 37 34.73	2 45.57	3 39 32.0	18 25.8	0.33 6023	1027	2 14.3
27	0 40 20.30	2 45.56	3 57 57.8	18 22.5	0.33 7050	1023	2 13.1
28	0 43 5.86	2 45.56	+ 4 16 20.3	18 19.0	0.33 8073	1019	2 12.0
März 1	0 45 51.42	2 45.56	4 34 39.3	18 15.4	0.33 9092	1014	2 10.8
2	0 48 36.98	2 45.57	4 52 54.7	18 11.7	0.34 0106	1009	2 9.6
3	0 51 22.55	2 45.58	5 11 6.4	18 7.8	0.34 1115	1005	2 8.4
4	0 54 8.13	2 45.61	5 29 14.2	18 3.7	0.34 2120	999	2 7.2
5	0 56 53.74	2 45.64	5 47 17.9	17 59.4	0.34 3119	995	2 6.0
6	0 59 39.38	2 45.69	+ 6 5 17.3	17 55.1	0.34 4114	989	2 4.9
7	1 2 25.07	2 45.73	6 23 12.4	17 50.6	0.34 5103	985	2 3.7
8	1 5 10.80	2 45.78	6 41 3.0	17 45.8	0.34 6088	979	2 2.5
9	1 7 56.58	2 45.83	6 58 48.8	17 41.0	0.34 7067	974	2 1.3
10	1 10 42.41	2 45.90	7 16 29.8	17 36.1	0.34 8041	968	2 0.1
11	1 13 28.31	2 45.96	7 34 5.9	17 30.9	0.34 9009	964	1 59.0
12	1 16 14.27	2 46.03	+ 7 51 36.8	17 25.5	0.34 9973	957	1 57.8
13	1 19 0.30	2 46.11	8 9 2.3	17 20.1	0.35 0930	952	1 56.6
14	1 21 46.41	2 46.18	8 26 22.4	17 14.4	0.35 1882	947	1 55.4
15	1 24 32.59	2 46.27	8 43 36.8	17 8.7	0.35 2829	941	1 54.3
16	1 27 18.86	2 46.35	9 0 45.5	17 2.7	0.35 3770	936	1 53.1
17	1 30 5.21	2 46.45	9 17 48.2	16 56.7	0.35 4706	930	1 51.9
18	1 32 51.66	2 46.55	+ 9 34 44.9	16 50.4	0.35 5636	925	1 50.8
19	1 35 38.21	2 46.65	9 51 35.3	16 44.1	0.35 6561	919	1 49.6
20	1 38 24.86	2 46.75	10 8 19.4	16 37.6	0.35 7480	914	1 48.4
21	1 41 11.61	2 46.87	10 24 57.0	16 31.0	0.35 8394	909	1 47.3
22	1 43 58.48	2 47.00	10 41 28.0	16 24.2	0.35 9303	903	1 46.1
23	1 46 45.48		10 57 52.2		0.36 0206		1 44.9

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	m s	° ′ ″	′ ″			h m
März 23	1 46 45.48	2 47.12	+10 57 52.2	16 17.3	0.36 0206	898	1 44.9
24	1 49 32.60	2 47.26	11 14 9.5	16 10.4	0.36 1104	893	1 43.8
25	1 52 19.86	2 47.40	11 30 19.9	16 3.2	0.36 1997	887	1 42.6
26	1 55 7.26	2 47.55	11 46 23.1	15 55.9	0.36 2884	881	1 41.5
27	1 57 54.81	2 47.70	12 2 19.0	15 48.5	0.36 3765	877	1 40.3
28	2 0 42.51	2 47.87	12 18 7.5	15 41.1	0.36 4642	870	1 39.2
29	2 3 30.38	2 48.03	+12 33 48.6	15 33.4	0.36 5512	865	1 38.0
30	2 6 18.41	2 48.20	12 49 22.0	15 25.6	0.36 6377	859	1 36.9
31	2 9 6.61	2 48.38	13 4 47.6	15 17.7	0.36 7236	854	1 35.8
April 1	2 11 54.99	2 48.55	13 20 5.3	15 9.7	0.36 8090	847	1 34.6
2	2 14 43.54	2 48.74	13 35 15.0	15 1.5	0.36 8937	842	1 33.5
3	2 17 32.28	2 48.92	13 50 16.5	14 53.3	0.36 9779	836	1 32.4
4	2 20 21.20	2 49.11	+14 5 9.8	14 44.9	0.37 0615	829	1 31.2
5	2 23 10.31	2 49.30	14 19 54.7	14 36.3	0.37 1444	823	1 30.1
6	2 25 59.61	2 49.49	14 34 31.0	14 27.7	0.37 2267	817	1 29.0
7	2 28 49.10	2 49.69	14 48 58.7	14 18.9	0.37 3084	810	1 27.9
8	2 31 38.79	2 49.88	15 3 17.6	14 10.1	0.37 3894	804	1 26.8
9	2 34 28.67	2 50.07	15 17 27.7	14 1.0	0.37 4698	798	1 25.7
10	2 37 18.74	2 50.26	+15 31 28.7	13 51.9	0.37 5496	791	1 24.6
11	2 40 9.00	2 50.46	15 45 20.6	13 42.7	0.37 6287	784	1 23.5
12	2 42 59.46	2 50.65	15 59 3.3	13 33.3	0.37 7071	778	1 22.4
13	2 45 50.11	2 50.84	16 12 36.6	13 23.8	0.37 7849	771	1 21.3
14	2 48 40.95	2 51.04	16 26 0.4	13 14.2	0.37 8620	765	1 20.2
15	2 51 31.99	2 51.23	16 39 14.6	13 4.4	0.37 9385	758	1 19.1
16	2 54 23.22	2 51.42	+16 52 19.0	12 54.6	0.38 0143	752	1 18.0
17	2 57 14.64	2 51.61	17 5 13.6	12 44.7	0.38 0895	745	1 16.9
18	3 0 6.25	2 51.81	17 17 58.3	12 34.7	0.38 1640	739	1 15.8
19	3 2 58.06	2 51.99	17 30 33.0	12 24.6	0.38 2379	732	1 14.7
20	3 5 50.05	2 52.19	17 42 57.6	12 14.3	0.38 3111	726	1 13.7
21	3 8 42.24	2 52.39	17 55 11.9	12 4.1	0.38 3837	719	1 12.6
22	3 11 34.63	2 52.59	+18 7 16.0	11 53.6	0.38 4556	713	1 11.5
23	3 14 27.22	2 52.78	18 19 9.6	11 43.1	0.38 5269	707	1 10.5
24	3 17 20.00	2 52.98	18 30 52.7	11 32.5	0.38 5976	700	1 9.4
25	3 20 12.98	2 53.19	18 42 25.2	11 21.9	0.38 6676	694	1 8.3
26	3 23 6.17	2 53.38	18 53 47.1	11 11.1	0.38 7370	686	1 7.3
27	3 25 59.55	2 53.59	19 4 58.2	11 0.2	0.38 8056	681	1 6.2
28	3 28 53.14	2 53.78	+19 15 58.4	10 49.3	0.38 8737	673	1 5.2
29	3 31 46.92	2 53.97	19 26 47.7	10 38.2	0.38 9410	667	1 4.1
30	3 34 40.89	2 54.17	19 37 25.9	10 27.1	0.39 0077	659	1 3.1
Mai 1	3 37 35.06	2 54.36	19 47 53.0	10 15.9	0.39 0736	653	1 2.1
2	3 40 29.42	2 54.55	19 58 8.9	10 4.6	0.39 1389	645	1 1.0
3	3 43 23.97		20 8 13.5		0.39 2034		1 0.0

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	m s	° ′ ″	′ ″			h m
Mai 3	3 43 23.97	2 54.74	+20 8 13.5	9 53.3	0.39 2034	639	1 0.0
4	3 46 18.71	2 54.92	20 18 6.8	9 41.9	0.39 2673	631	0 59.0
5	3 49 13.63	2 55.09	20 27 48.7	9 30.3	0.39 3304	624	0 57.9
6	3 52 8.72	2 55.27	20 37 19.0	9 18.8	0.39 3928	616	0 56.9
7	3 55 3.99	2 55.43	20 46 37.8	9 7.1	0.39 4544	609	0 55.9
8	3 57 59.42	2 55.59	20 55 44.9	8 55.4	0.39 5153	602	0 54.9
9	4 0 55.01	2 55.74	+21 4 40.3	8 43.6	0.39 5755	594	0 53.9
10	4 3 50.75	2 55.89	21 13 23.9	8 31.7	0.39 6349	586	0 52.8
11	4 6 46.64	2 56.03	21 21 55.6	8 19.8	0.39 6935	579	0 51.8
12	4 9 42.67	2 56.16	21 30 15.4	8 7.8	0.39 7514	572	0 50.8
13	4 12 38.83	2 56.29	21 38 23.2	7 55.8	0.39 8086	564	0 49.8
14	4 15 35.12	2 56.41	21 46 19.0	7 43.6	0.39 8650	556	0 48.8
15	4 18 31.53	2 56.53	+21 54 2.6	7 31.5	0.39 9206	549	0 47.8
16	4 21 28.06	2 56.63	22 1 34.1	7 19.2	0.39 9755	542	0 46.8
17	4 24 24.69	2 56.74	22 8 53.3	7 7.0	0.40 0297	534	0 45.8
18	4 27 21.43	2 56.83	22 16 0.3	6 54.7	0.40 0831	526	0 44.8
19	4 30 18.26	2 56.93	22 22 55.0	6 42.3	0.40 1357	520	0 43.8
20	4 33 15.19	2 57.01	22 29 37.3	6 29.9	0.40 1877	511	0 42.8
21	4 36 12.20	2 57.10	+22 36 7.2	6 17.5	0.40 2388	505	0 41.8
22	4 39 9.30	2 57.18	22 42 24.7	6 5.0	0.40 2893	497	0 40.9
23	4 42 6.48	2 57.25	22 48 29.7	5 52.6	0.40 3390	489	0 39.9
24	4 45 3.73	2 57.32	22 54 22.3	5 40.0	0.40 3879	482	0 38.9
25	4 48 1.05	2 57.38	23 0 2.3	5 27.4	0.40 4361	475	0 37.9
26	4 50 58.43	2 57.44	23 5 29.7	5 14.8	0.40 4836	466	0 36.9
27	4 53 55.87	2 57.49	+23 10 44.5	5 2.2	0.40 5302	459	0 35.9
28	4 56 53.36	2 57.53	23 15 46.7	4 49.6	0.40 5761	452	0 34.9
29	4 59 50.89	2 57.56	23 20 36.3	4 37.0	0.40 6213	443	0 34.0
30	5 2 48.45	2 57.59	23 25 13.3	4 24.3	0.40 6656	435	0 33.0
31	5 5 46.04	2 57.61	23 29 37.6	4 11.7	0.40 7091	428	0 32.0
Juni 1	5 8 43.65	2 57.63	23 33 49.3	3 58.9	0.40 7519	419	0 31.0
2	5 11 41.28	2 57.63	+23 37 48.2	3 46.2	0.40 7938	411	0 30.0
3	5 14 38.91	2 57.62	23 41 34.4	3 33.5	0.40 8349	403	0 29.0
4	5 17 36.53	2 57.61	23 45 7.9	3 20.8	0.40 8752	395	0 28.1
5	5 20 34.14	2 57.58	23 48 28.7	3 8.1	0.40 9147	386	0 27.1
6	5 23 31.72	2 57.54	23 51 36.8	2 55.3	0.40 9533	378	0 26.1
7	5 26 29.26	2 57.49	23 54 32.1	2 42.6	0.40 9911	369	0 25.1
8	5 29 26.75	2 57.44	+23 57 14.7	2 30.0	0.41 0280	360	0 24.1
9	5 32 24.19	2 57.37	23 59 44.7	2 17.2	0.41 0640	353	0 23.1
10	5 35 21.56	2 57.29	24 2 1.9	2 4.5	0.41 0993	344	0 22.1
11	5 38 18.85	2 57.20	24 4 6.4	1 51.9	0.41 1337	335	0 21.2
12	5 41 16.05	2 57.10	24 5 58.3	1 39.2	0.41 1672	327	0 20.2
13	5 44 13.15		24 7 37.5		0.41 1999		0 19.2

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension (h m s)	Diff. (m s)	Scheinbare Deklination (° ′ ″)	Diff. (′ ″)	log Δ	Diff.	Obere Kulmination in Greenwich (h m)
1921							
Juni 13	5 44 13.15	2 57.00	+24 7 37.5	1 26.6	0.41 1999	318	0 19.2
14	5 47 10.15	2 56.88	24 9 4.1	1 13.9	0.41 2317	311	0 18.2
15	5 50 7.03	2 56.76	24 10 18.0	1 1.3	0.41 2628	302	0 17.2
16	5 53 3.79	2 56.63	24 11 19.3	0 48.8	0.41 2930	293	0 16.2
17	5 56 0.42	2 56.49	24 12 8.1	0 36.3	0.41 3223	285	0 15.2
18	5 58 56.91	2 56.35	24 12 44.4	0 23.7	0.41 3508	277	0 14.2
19	6 1 53.26	2 56.20	+24 13 8.1	0 11.2	0.41 3785	269	0 13.2
20	6 4 49.46	2 56.04	24 13 19.3	0 1.3	0.41 4054	260	0 12.2
21	6 7 45.50	2 55.88	24 13 18.0	0 13.7	0.41 4314	251	0 11.2
22	6 10 41.38	2 55.71	24 13 4.3	0 26.0	0.41 4565	243	0 10.2
23	6 13 37.09	2 55.54	24 12 38.3	0 38.4	0.41 4808	235	0 9.2
24	6 16 32.63	2 55.35	24 11 59.9	0 50.7	0.41 5043	226	0 8.1
25	6 19 27.98	2 55.15	+24 11 9.2	1 2.9	0.41 5269	217	0 7.1
26	6 22 23.13	2 54.96	24 10 6.3	1 15.1	0.41 5486	209	0 6.1
27	6 25 18.09	2 54.75	24 8 51.2	1 27.3	0.41 5695	199	0 5.1
28	6 28 12.84	2 54.54	24 7 23.9	1 39.4	0.41 5894	191	0 4.1
29	6 31 7.38	2 54.32	24 5 44.5	1 51.4	0.41 6085	182	0 3.0
30	6 34 1.70	2 54.08	24 3 53.1	2 3.4	0.41 6267	173	0 2.0
Juli 1	6 36 55.78	2 53.85	+24 1 49.7	2 15.3	0.41 6440	163	{0 1.0 / 23 59.9}
2	6 39 49.63	2 53.61	23 59 34.4	2 27.2	0.41 6603	155	23 58.9
3	6 42 43.24	2 53.35	23 57 7.2	2 38.9	0.41 6758	145	23 57.8
4	6 45 36.59	2 53.09	23 54 28.3	2 50.7	0.41 6903	136	23 56.8
5	6 48 29.68	2 52.82	23 51 37.6	3 2.4	0.41 7039	126	23 55.7
6	6 51 22.50	2 52.55	23 48 35.2	3 13.9	0.41 7165	117	23 54.6
7	6 54 15.05	2 52.25	+23 45 21.3	3 25.4	0.41 7282	107	23 53.6
8	6 57 7.30	2 51.95	23 41 55.9	3 36.8	0.41 7389	98	23 52.5
9	6 59 59.25	2 51.65	23 38 19.1	3 48.2	0.41 7487	88	23 51.4
10	7 2 50.90	2 51.33	23 34 30.9	3 59.5	0.41 7575	79	23 50.3
11	7 5 42.23	2 51.01	23 30 31.4	4 10.6	0.41 7654	70	23 49.2
12	7 8 33.24	2 50.68	23 26 20.8	4 21.8	0.41 7724	60	23 48.1
13	7 11 23.92	2 50.36	+23 21 59.0	4 32.9	0.41 7784	51	23 47.0
14	7 14 14.28	2 50.03	23 17 26.1	4 43.8	0.41 7835	42	23 45.9
15	7 17 4.31	2 49.69	23 12 42.3	4 54.7	0.41 7877	32	23 44.8
16	7 19 54.00	2 49.34	23 7 47.6	5 5.5	0.41 7909	23	23 43.7
17	7 22 43.34	2 49.00	23 2 42.1	5 16.2	0.41 7932	13	23 42.6
18	7 25 32.34	2 48.66	22 57 25.9	5 26.9	0.41 7945	5	23 41.4
19	7 28 21.00	2 48.30	+22 51 59.0	5 37.5	0.41 7950	6	23 40.3
20	7 31 9.30	2 47.95	22 46 21.5	5 47.9	0.41 7944	15	23 39.1
21	7 33 57.25	2 47.59	22 40 33.6	5 58.3	0.41 7929	24	23 38.0
22	7 36 44.84	2 47.23	22 34 35.3	6 8.6	0.41 7905	34	23 36.8
23	7 39 32.07	2 46.87	22 28 26.7	6 18.9	0.41 7871	43	23 35.7
24	7 42 18.94		22 22 7.8		0.41 7828		23 34.5

Tag		0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1921		h m s	m s	° ′ ″	′ ″			h m
Juli	24	7 42 18.94	2 46.50	+22 22 7.8	6 28.9	0.41 7828	54	23 34.5
	25	7 45 5.44	2 46.14	22 15 38.9	6 38.9	0.41 7774	63	23 33.3
	26	7 47 51.58	2 45.76	22 9 0.0	6 48.9	0.41 7711	73	23 32.1
	27	7 50 37.34	2 45.40	22 2 11.1	6 58.6	0.41 7638	83	23 31.0
	28	7 53 22.74	2 45.02	21 55 12.5	7 8.4	0.41 7555	93	23 29.8
	29	7 56 7.76	2 44.65	21 48 4.1	7 18.0	0.41 7462	103	23 28.6
	30	7 58 52.41	2 44.27	+21 40 46.1	7 27.5	0.41 7359	114	23 27.4
	31	8 1 36.68	2 43.87	21 33 18.6	7 37.0	0.41 7245	124	23 26.2
Aug.	1	8 4 20.55	2 43.49	21 25 41.6	7 46.2	0.41 7121	134	23 24.9
	2	8 7 4.04	2 43.10	21 17 55.4	7 55.4	0.41 6987	145	23 23.7
	3	8 9 47.14	2 42.69	21 10 0.0	8 4.5	0.41 6842	155	23 22.5
	4	8 12 29.83	2 42.30	21 1 55.5	8 13.5	0.41 6687	166	23 21.3
	5	8 15 12.13	2 41.89	+20 53 42.0	8 22.4	0.41 6521	176	23 20.0
	6	8 17 54.02	2 41.49	20 45 19.6	8 31.2	0.41 6345	187	23 18.8
	7	8 20 35.51	2 41.08	20 36 48.4	8 39.8	0.41 6158	198	23 17.5
	8	8 23 16.59	2 40.67	20 28 8.6	8 48.4	0.41 5960	208	23 16.3
	9	8 25 57.26	2 40.26	20 19 20.2	8 56.8	0.41 5752	218	23 15.0
	10	8 28 37.52	2 39.85	20 10 23.4	9 5.2	0.41 5534	229	23 13.7
	11	8 31 17.37	2 39.43	+20 1 18.2	9 13.4	0.41 5305	240	23 12.4
	12	8 33 56.80	2 39.03	19 52 4.8	9 21.6	0.41 5065	250	23 11.1
	13	8 36 35.83	2 38.62	19 42 43.2	9 29.6	0.41 4815	261	23 9.8
	14	8 39 14.45	2 38.21	19 33 13.6	9 37.6	0.41 4554	271	23 8.5
	15	8 41 52.66	2 37.81	19 23 36.0	9 45.4	0.41 4283	282	23 7.2
	16	8 44 30.47	2 37.41	19 13 50.6	9 53.1	0.41 4001	292	23 5.9
	17	8 47 7.88	2 37.00	+19 3 57.5	10 0.8	0.41 3709	303	23 4.6
	18	8 49 44.88	2 36.60	18 53 56.7	10 8.3	0.41 3406	314	23 3.3
	19	8 52 21.48	2 36.21	18 43 48.4	10 15.8	0.41 3092	324	23 1.9
	20	8 54 57.69	2 35.81	18 33 32.6	10 23.1	0.41 2768	335	23 0.6
	21	8 57 33.50	2 35.43	18 23 9.5	10 30.3	0.41 2433	346	22 59.2
	22	9 0 8.93	2 35.04	18 12 39.2	10 37.4	0.41 2087	358	22 57.9
	23	9 2 43.97	2 34.65	+18 2 1.8	10 44.5	0.41 1729	368	22 56.5
	24	9 5 18.62	2 34.26	17 51 17.3	10 51.3	0.41 1361	379	22 55.1
	25	9 7 52.88	2 33.88	17 40 26.0	10 58.1	0.41 0982	391	22 53.7
	26	9 10 26.76	2 33.50	17 29 27.9	11 4.9	0.41 0591	402	22 52.4
	27	9 13 0.26	2 33.13	17 18 23.0	11 11.5	0.41 0189	413	22 51.0
	28	9 15 33.39	2 32.75	17 7 11.5	11 17.9	0.40 9776	425	22 49.6
	29	9 18 6.14	2 32.37	+16 55 53.6	11 24.2	0.40 9351	437	22 48.2
	30	9 20 38.51	2 32.00	16 44 29.4	11 30.4	0.40 8914	448	22 46.8
	31	9 23 10.51	2 31.62	16 32 59.0	11 36.6	0.40 8466	460	22 45.4
Sept.	1	9 25 42.13	2 31.24	16 21 22.4	11 42.6	0.40 8006	472	22 43.9
	2	9 28 13.37	2 30.87	16 9 39.8	11 48.5	0.40 7534	484	22 42.5
	3	9 30 44.24		15 57 51.3		0.40 7050		22 41.1

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	m s	° ′ ″	′ ″			h m
Sept. 3	9 30 44.24	2 30.49	+15 57 51.3	11 54.3	0.40 7050	496	22 41.1
4	9 33 14.73	2 30.12	15 45 57.0	12 0.0	0.40 6554	508	22 39.6
5	9 35 44.85	2 29.75	15 33 57.0	12 5.5	0.40 6046	519	22 38.2
6	9 38 14.60	2 29.39	15 21 51.5	12 11.0	0.40 5527	532	22 36.7
7	9 40 43.99	2 29.03	15 9 40.5	12 16.4	0.40 4995	543	22 35.3
8	9 43 13.02	2 28.66	14 57 24.1	12 21.6	0.40 4452	555	22 33.8
9	9 45 41.68	2 28.31	+14 45 2.5	12 26.7	0.40 3897	567	22 32.4
10	9 48 9.99	2 27.96	14 32 35.8	12 31.8	0.40 3330	579	22 30.9
11	9 50 37.95	2 27.60	14 20 4.0	12 36.7	0.40 2751	591	22 29.4
12	9 53 5.55	2 27.26	14 7 27.3	12 41.6	0.40 2160	603	22 27.9
13	9 55 32.81	2 26.93	13 54 45.7	12 46.3	0.40 1557	615	22 26.4
14	9 57 59.74	2 26.59	13 41 59.4	12 51.0	0.40 0942	626	22 24.9
15	10 0 26.33	2 26.26	+13 29 8.4	12 55.5	0.40 0316	639	22 23.4
16	10 2 52.59	2 25.95	13 16 12.9	13 0.0	0.39 9677	651	22 21.9
17	10 5 18.54	2 25.63	13 3 12.9	13 4.4	0.39 9026	663	22 20.4
18	10 7 44.17	2 25.32	12 50 8.5	13 8.6	0.39 8363	676	22 18.9
19	10 10 9.49	2 25.02	12 36 59.9	13 12.8	0.39 7687	688	22 17.4
20	10 12 34.51	2 24.71	12 23 47.1	13 16.9	0.39 6999	700	22 15.8
21	10 14 59.22	2 24.42	+12 10 30.2	13 20.9	0.39 6299	713	22 14.3
22	10 17 23.64	2 24.14	11 57 9.3	13 24.7	0.39 5586	725	22 12.8
23	10 19 47.78	2 23.85	11 43 44.6	13 28.5	0.39 4861	739	22 11.2
24	10 22 11.63	2 23.56	11 30 16.1	13 32.2	0.39 4122	751	22 9.7
25	10 24 35.19	2 23.28	11 16 43.9	13 35.7	0.39 3371	764	22 8.1
26	10 26 58.47	2 23.00	11 3 8.2	13 39.2	0.39 2607	778	22 6.6
27	10 29 21.47	2 22.73	+10 49 29.0	13 42.5	0.39 1829	790	22 5.0
28	10 31 44.20	2 22.47	10 35 46.5	13 45.7	0.39 1039	804	22 3.4
29	10 34 6.67	2 22.20	10 22 0.8	13 48.9	0.39 0235	818	22 1.9
30	10 36 28.87	2 21.93	10 8 11.9	13 51.8	0.38 9417	830	22 0.3
Okt. 1	10 38 50.80	2 21.66	9 54 20.1	13 54.7	0.38 8587	844	21 58.7
2	10 41 12.46	2 21.41	9 40 25.4	13 57.5	0.38 7743	858	21 57.1
3	10 43 33.87	2 21.15	+ 9 26 27.9	14 0.2	0.38 6885	871	21 55.6
4	10 45 55.02	2 20.90	9 12 27.7	14 2.9	0.38 6014	884	21 54.0
5	10 48 15.92	2 20.65	8 58 24.8	14 5.3	0.38 5130	898	21 52.4
6	10 50 36.57	2 20.41	8 44 19.5	14 7.8	0.38 4232	912	21 50.8
7	10 52 56.98	2 20.18	8 30 11.7	14 10.1	0.38 3320	925	21 49.2
8	10 55 17.16	2 19.94	8 16 1.6	14 12.3	0.38 2395	938	21 47.6
9	10 57 37.10	2 19.71	+ 8 1 49.3	14 14.4	0.38 1457	952	21 45.9
10	10 59 56.81	2 19.49	7 47 34.9	14 16.5	0.38 0505	966	21 44.3
11	11 2 16.30	2 19.27	7 33 18.4	14 18.4	0.37 9539	979	21 42.7
12	11 4 35.57	2 19.06	7 19 0.0	14 20.2	0.37 8560	993	21 41.1
13	11 6 54.63	2 18.85	7 4 39.8	14 22.0	0.37 7567	1006	21 39.4
14	11 9 13.48		6 50 17.8		0.37 6561		21 37.8

Tag	0ʰ mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	m s	° ′ ″	′ ″			h m
Okt. 14	11 9 13.48	2 18.66	+6 50 17.8	14 23.6	0.37 6561	1021	21 37.8
15	11 11 32.14	2 18.46	6 35 54.2	14 25.3	0.37 5540	1034	21 36.2
16	11 13 50.60	2 18.28	6 21 28.9	14 26.8	0.37 4506	1048	21 34.5
17	11 16 8.88	2 18.09	6 7 2.1	14 28.2	0.37 3458	1062	21 32.9
18	11 18 26.97	2 17.92	5 52 33.9	14 29.6	0.37 2396	1076	21 31.3
19	11 20 44.89	2 17.76	5 38 4.3	14 30.8	0.37 1320	1090	21 29.6
20	11 23 2.65	2 17.59	+5 23 33.5	14 31.9	0.37 0230	1105	21 28.0
21	11 25 20.24	2 17.43	5 9 1.6	14 32.9	0.36 9125	1119	21 26.3
22	11 27 37.67	2 17.28	4 54 28.7	14 33.9	0.36 8006	1133	21 24.6
23	11 29 54.95	2 17.13	4 39 54.8	14 34.8	0.36 6873	1149	21 23.0
24	11 32 12.08	2 16.98	4 25 20.0	14 35.5	0.36 5724	1163	21 21.3
25	11 34 29.06	2 16.84	4 10 44.5	14 36.1	0.36 4561	1178	21 19.7
26	11 36 45.90	2 16.70	+3 56 8.4	14 36.7	0.36 3383	1193	21 18.0
27	11 39 2.60	2 16.56	3 41 31.7	14 37.2	0.36 2190	1208	21 16.4
28	11 41 19.16	2 16.42	3 26 54.5	14 37.5	0.36 0982	1224	21 14.7
29	11 43 35.58	2 16.29	3 12 17.0	14 37.7	0.35 9758	1239	21 13.0
30	11 45 51.87	2 16.15	2 57 39.3	14 37.9	0.35 8519	1254	21 11.3
31	11 48 8.02	2 16.03	2 43 1.4	14 38.0	0.35 7265	1269	21 9.7
Nov. 1	11 50 24.05	2 15.90	+2 28 23.4	14 37.9	0.35 5996	1285	21 8.0
2	11 52 39.95	2 15.77	2 13 45.5	14 37.7	0.35 4711	1300	21 6.3
3	11 54 55.72	2 15.66	1 59 7.8	14 37.5	0.35 3411	1316	21 4.7
4	11 57 11.38	2 15.54	1 44 30.3	14 37.2	0.35 2095	1330	21 3.0
5	11 59 26.92	2 15.43	1 29 53.1	14 36.7	0.35 0765	1346	21 1.3
6	12 1 42.35	2 15.32	1 15 16.4	14 36.2	0.34 9419	1362	20 59.6
7	12 3 57.67	2 15.23	+1 0 40.2	14 35.7	0.34 8057	1377	20 57.9
8	12 6 12.90	2 15.12	0 46 4.5	14 35.0	0.34 6680	1392	20 56.2
9	12 8 28.02	2 15.04	0 31 29.5	14 34.3	0.34 5288	1408	20 54.5
10	12 10 43.06	2 14.95	0 16 55.2	14 33.4	0.34 3880	1423	20 52.9
11	12 12 58.01	2 14.87	+0 2 21.8	14 32.5	0.34 2457	1440	20 51.2
12	12 15 12.88	2 14.80	−0 12 10.7	14 31.5	0.34 1017	1454	20 49.5
13	12 17 27.68	2 14.73	−0 26 42.2	14 30.5	0.33 9563	1471	20 47.8
14	12 19 42.41	2 14.66	0 41 12.7	14 29.3	0.33 8092	1486	20 46.1
15	12 21 57.07	2 14.60	0 55 42.0	14 28.0	0.33 6606	1502	20 44.4
16	12 24 11.67	2 14.54	1 10 10.0	14 26.7	0.33 5104	1518	20 42.7
17	12 26 26.21	2 14.49	1 24 36.7	14 25.3	0.33 3586	1535	20 41.0
18	12 28 40.70	2 14.45	1 39 2.0	14 23.8	0.33 2051	1551	20 39.3
19	12 30 55.15	2 14.40	−1 53 25.8	14 22.2	0.33 0500	1567	20 37.5
20	12 33 9.55	2 14.36	2 7 48.0	14 20.5	0.32 8933	1584	20 35.8
21	12 35 23.91	2 14.33	2 22 8.5	14 18.8	0.32 7349	1601	20 34.1
22	12 37 38.24	2 14.29	2 36 27.3	14 16.9	0.32 5748	1618	20 32.5
23	12 39 52.53	2 14.26	2 50 44.2	14 15.0	0.32 4130	1635	20 30.8
24	12 42 6.79		3 4 59.2		0.32 2495		20 29.1

Tag	0^h mittlere Zeit Greenwich: Scheinbare Rektaszension	Diff.	Scheinbare Deklination	Diff.	log Δ	Diff.	Obere Kulmination in Greenwich
1921	h m s	m s	° ′ ″	′ ″			h m
Nov. 24	12 42 6.79	2 14.21	− 3 4 59.2	14 12.9	0.32 2495	1652	20 29.1
25	12 44 21.00	2 14.18	3 19 12.1	14 10.8	0.32 0843	1669	20 27.4
26	12 46 35.18	2 14.15	3 33 22.9	14 8.5	0.31 9174	1687	20 25.7
27	12 48 49.33	2 14.11	3 47 31.4	14 6.2	0.31 7487	1704	20 24.0
28	12 51 3.44	2 14.08	4 1 37.6	14 3.7	0.31 5783	1721	20 22.3
29	12 53 17.52	2 14.05	4 15 41.3	14 1.2	0.31 4062	1739	20 20.5
30	12 55 31.57	2 14.01	− 4 29 42.5	13 58.6	0.31 2323	1756	20 18.8
Dez. 1	12 57 45.58	2 13.98	4 43 41.1	13 55.8	0.31 0567	1774	20 17.1
2	12 59 59.56	2 13.96	4 57 36.9	13 53.0	0.30 8793	1791	20 15.4
3	13 2 13.52	2 13.92	5 11 29.9	13 50.2	0.30 7002	1808	20 13.7
4	13 4 27.44	2 13.90	5 25 20.1	13 47.2	0.30 5194	1826	20 12.0
5	13 6 41.34	2 13.89	5 39 7.3	13 44.2	0.30 3368	1844	20 10.3
6	13 8 55.23	2 13.86	− 5 52 51.5	13 41.0	0.30 1524	1861	20 8.6
7	13 11 9.09	2 13.84	6 6 32.5	13 37.9	0.29 9663	1879	20 6.8
8	13 13 22.93	2 13.83	6 20 10.4	13 34.6	0.29 7784	1896	20 5.1
9	13 15 36.76	2 13.81	6 33 45.0	13 31.3	0.29 5888	1915	20 3.4
10	13 17 50.57	2 13.81	6 47 16.3	13 27.9	0.29 3973	1932	20 1.7
11	13 20 4.38	2 13.80	7 0 44.2	13 24.4	0.29 2041	1950	20 0.0
12	13 22 18.18	2 13.80	− 7 14 8.6	13 20.8	0.29 0091	1967	19 58.3
13	13 24 31.98	2 13.80	7 27 29.4	13 17.2	0.28 8124	1986	19 56.6
14	13 26 45.78	2 13.80	7 40 46.6	13 13.5	0.28 6138	2004	19 54.9
15	13 28 59.58	2 13.81	7 54 0.1	13 9.7	0.28 4134	2022	19 53.2
16	13 31 13.39	2 13.81	8 7 9.8	13 5.9	0.28 2112	2041	19 51.5
17	13 33 27.20	2 13.82	8 20 15.7	13 1.9	0.28 0071	2060	19 49.7
18	13 35 41.02	2 13.83	− 8 33 17.6	12 58.0	0.27 8011	2078	19 48.0
19	13 37 54.85	2 13.83	8 46 15.6	12 53.8	0.27 5933	2098	19 46.3
20	13 40 8.68	2 13.84	8 59 9.4	12 49.7	0.27 3835	2116	19 44.6
21	13 42 22.52	2 13.83	9 11 59.1	12 45.4	0.27 1719	2136	19 42.9
22	13 44 36.35	2 13.84	9 24 44.5	12 41.1	0.26 9583	2156	19 41.2
23	13 46 50.19	2 13.83	9 37 25.6	12 36.6	0.26 7427	2175	19 39.5
24	13 49 4.02	2 13.82	− 9 50 2.2	12 32.1	0.26 5252	2195	19 37.8
25	13 51 17.84	2 13.81	10 2 34.3	12 27.5	0.26 3057	2214	19 36.1
26	13 53 31.65	2 13.79	10 15 1.8	12 22.8	0.26 0843	2234	19 34.4
27	13 55 45.44	2 13.78	10 27 24.6	12 18.0	0.25 8609	2254	19 32.7
28	13 57 59.22	2 13.76	10 39 42.6	12 13.3	0.25 6355	2274	19 31.0
29	14 0 12.98	2 13.73	10 51 55.9	12 8.3	0.25 4081	2293	19 29.2
30	14 2 26.71	2 13.70	−11 4 4.2	12 3.4	0.25 1788	2314	19 27.5
31	14 4 40.41	2 13.67	11 16 7.6	11 58.3	0.24 9474	2333	19 25.8
32	14 6 54.08		11 28 5.9		0.24 7141		19 24.1

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	s	° ′ ″	′ ″			h m
Jan. 0	11 21 5.74	4.33	+5 31 15.2	0 9.1	0.69 7228	2594	16 40.0
2	11 21 10.07	1.47	5 31 24.3	0 27.4	0.69 4634	2571	16 32.1
4	11 21 11.54	1.42	5 31 51.7	0 45.7	0.69 2063	2545	16 24.3
6	11 21 10.12	4.31	5 32 37.4	1 3.9	0.68 9518	2514	16 16.4
8	11 21 5.81	7.18	5 33 41.3	1 22.0	0.68 7004	2480	16 8.4
10	11 20 58.63	10.06	5 35 3.3	1 40.1	0.68 4524	2439	16 0.4
12	11 20 48.57	12.91	+5 36 43.4	1 57.8	0.68 2085	2396	15 52.4
14	11 20 35.66	15.72	5 38 41.2	2 15.4	0.67 9689	2347	15 44.3
16	11 20 19.94	18.52	5 40 56.6	2 32.6	0.67 7342	2295	15 36.2
18	11 20 1.42	21.25	5 43 29.2	2 49.6	0.67 5047	2237	15 28.0
20	11 19 40.17	23.95	5 46 18.8	3 6.1	0.67 2810	2176	15 19.8
22	11 19 16.22	26.60	5 49 24.9	3 22.3	0.67 0634	2111	15 11.5
24	11 18 49.62	29.20	+5 52 47.2	3 38.0	0.66 8523	2041	15 3.2
26	11 18 20.42	31.73	5 56 25.2	3 53.3	0.66 6482	1968	14 54.8
28	11 17 48.69	34.21	6 0 18.5	4 8.0	0.66 4514	1890	14 46.4
30	11 17 14.48	36.61	6 4 26.5	4 22.2	0.66 2624	1806	14 37.9
Febr. 1	11 16 37.87	38.94	6 8 48.7	4 35.8	0.66 0818	1720	14 29.5
3	11 15 58.93	41.16	6 13 24.5	4 48.6	0.65 9098	1629	14 20.9
5	11 15 17.77	43.28	+6 18 13.1	5 0.6	0.65 7469	1534	14 12.4
7	11 14 34.49	45.27	6 23 13.7	5 11.9	0.65 5935	1434	14 3.8
9	11 13 49.22	47.16	6 28 25.6	5 22.1	0.65 4501	1332	13 55.2
11	11 13 2.06	48.89	6 33 47.7	5 31.5	0.65 3169	1226	13 46.5
13	11 12 13.17	50.50	6 39 19.2	5 40.0	0.65 1943	1117	13 37.8
15	11 11 22.67	51.95	6 44 59.2	5 47.4	0.65 0826	1006	13 29.1
17	11 10 30.72	53.27	+6 50 46.6	5 53.8	0.64 9820	892	13 20.4
19	11 9 37.45	54.43	6 56 40.4	5 59.2	0.64 8928	776	13 11.6
21	11 8 43.02	55.45	7 2 39.6	6 3.7	0.64 8152	659	13 2.9
23	11 7 47.57	56.31	7 8 43.3	6 7.2	0.64 7493	540	12 54.1
25	11 6 51.26	57.03	7 14 50.5	6 9.5	0.64 6953	419	12 45.3
27	11 5 54.23	57.58	7 21 0.0	6 10.9	0.64 6534	298	12 36.5
März 1	11 4 56.65	57.98	+7 27 10.9	6 11.2	0.64 6236	175	12 27.6
3	11 3 58.67	58.20	7 33 22.1	6 10.4	0.64 6061	52	12 18.8
5	11 3 0.47	58.25	7 39 32.5	6 8.5	0.64 6009	72	12 10.0
7	11 2 2.22	58.12	7 45 41.0	6 5.5	0.64 6081	194	12 1.2
9	11 1 4.10	57.82	7 51 46.5	6 1.4	0.64 6275	318	11 52.3
11	11 0 6.28	57.34	7 57 47.9	5 56.2	0.64 6593	438	11 43.5
13	10 59 8.94	56.70	+8 3 44.1	5 50.1	0.64 7031	559	11 34.7
15	10 58 12.24	55.88	8 9 34.2	5 42.9	0.64 7590	677	11 25.9
17	10 57 16.36	54.90	8 15 17.1	5 34.8	0.64 8267	793	11 17.1
19	10 56 21.46	53.79	8 20 51.9	5 26.0	0.64 9060	906	11 8.4
21	10 55 27.67	52.54	8 26 17.9	5 16.3	0.64 9966	1016	10 59.6
23	10 54 35.13		8 31 34.2		0.65 0982		10 50.9

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	s	° ′ ″	′ ″			h m
März 23	10 54 35.13	51.14	+8 31 34.2	5 6.0	0.65 0982	1124	10 50.9
25	10 53 43.99	49.62	8 36 40.2	4 54.7	0.65 2106	1230	10 42.2
27	10 52 54.37	47.98	8 41 34.9	4 42.9	0.65 3336	1331	10 33.5
29	10 52 6.39	46.20	8 46 17.8	4 30.4	0.65 4667	1431	10 24.8
31	10 51 20.19	44.32	8 50 48.2	4 17.1	0.65 6098	1526	10 16.2
April 2	10 50 35.87	42.32	8 55 5.3	4 3.4	0.65 7624	1618	10 7.6
4	10 49 53.55	40.21	+8 59 8.7	3 49.0	0.65 9242	1707	9 59.1
6	10 49 13.34	37.99	9 2 57.7	3 34.3	0.66 0949	1790	9 50.6
8	10 48 35.35	35.69	9 6 32.0	3 19.0	0.66 2739	1871	9 42.1
10	10 47 59.66	33.29	9 9 51.0	3 3.4	0.66 4610	1947	9 33.6
12	10 47 26.37	30.84	9 12 54.4	2 47.3	0.66 6557	2018	9 25.2
14	10 46 55.53	28.32	9 15 41.7	2 31.1	0.66 8575	2084	9 16.8
16	10 46 27.21	25.73	+9 18 12.8	2 14.8	0.67 0659	2147	9 8.5
18	10 46 1.48	23.12	9 20 27.6	1 58.2	0.67 2806	2205	9 0.2
20	10 45 38.36	20.48	9 22 25.8	1 41.6	0.67 5011	2259	8 52.0
22	10 45 17.88	17.81	9 24 7.4	1 24.8	0.67 7270	2308	8 43.8
24	10 45 0.07	15.11	9 25 32.2	1 8.0	0.67 9578	2355	8 35.7
26	10 44 44.96	12.39	9 26 40.2	0 51.0	0.68 1933	2396	8 27.5
28	10 44 32.57	9.65	+9 27 31.2	0 34.2	0.68 4329	2435	8 19.5
30	10 44 22.92	6.90	9 28 5.4	0 17.2	0.68 6764	2468	8 11.5
Mai 2	10 44 16.02	4.14	9 28 22.6	0 0.3	0.68 9232	2500	8 3.5
4	10 44 11.88	1.38	9 28 22.9	0 16.5	0.69 1732	2526	7 55.6
6	10 44 10.50	1.39	9 28 6.4	0 33.4	0.69 4258	2549	7 47.7
8	10 44 11.89	4.15	9 27 33.0	0 50.2	0.69 6807	2568	7 39.9
10	10 44 16.04	6.89	+9 26 42.8	1 6.7	0.69 9375	2583	7 32.1
12	10 44 22.93	9.61	9 25 36.1	1 23.2	0.70 1958	2594	7 24.3
14	10 44 32.54	12.30	9 24 12.9	1 39.2	0.70 4552	2603	7 16.6
16	10 44 44.84	14.95	9 22 33.7	1 55.3	0.70 7155	2607	7 9.0
18	10 44 59.79	17.56	9 20 38.4	2 10.9	0.70 9762	2610	7 1.4
20	10 45 17.35	20.14	9 18 27.5	2 26.5	0.71 2372	2608	6 53.8
22	10 45 37.49	22.67	+9 16 1.0	2 41.8	0.71 4980	2605	6 46.3
24	10 46 0.16	25.18	9 13 19.2	2 56.9	0.71 7585	2599	6 38.8
26	10 46 25.34	27.65	9 10 22.3	3 11.8	0.72 0184	2591	6 31.4
28	10 46 52.99	30.08	9 7 10.5	3 26.5	0.72 2775	2580	6 24.0
30	10 47 23.07	32.47	9 3 44.0	3 40.8	0.72 5355	2567	6 16.6
Juni 1	10 47 55.54	34.83	9 0 3.2	3 55.2	0.72 7922	2552	6 9.3
3	10 48 30.37	37.14	+8 56 8.0	4 9.2	0.73 0474	2533	6 2.0
5	10 49 7.51	39.41	8 51 58.8	4 22.9	0.73 3007	2513	5 54.8
7	10 49 46.92	41.64	8 47 35.9	4 36.5	0.73 5520	2491	5 47.6
9	10 50 28.56	43.81	8 42 59.4	4 49.7	0.73 8011	2467	5 40.4
11	10 51 12.37	45.92	8 38 9.7	5 2.5	0.74 0478	2439	5 33.3
13	10 51 58.29		8 33 7.2		0.74 2917		5 26.1

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	m s	° ′ ″	′ ″			h m
Juni 13	10 51 58.29	0 47.98	+8 33 7.2	5 15.1	0.74 2917	2412	5 26.1
15	10 52 46.27	0 49.98	8 27 52.1	5 27.4	0.74 5329	2382	5 19.1
17	10 53 36.25	0 51.93	8 22 24.7	5 39.5	0.74 7711	2351	5 12.1
19	10 54 28.18	0 53.82	8 16 45.2	5 51.2	0.75 0062	2319	5 5.1
21	10 55 22.00	0 55.68	8 10 54.0	6 2.7	0.75 2381	2285	4 58.1
23	10 56 17.68	0 57.48	8 4 51.3	6 14.0	0.75 4666	2251	4 51.1
25	10 57 15.16	0 59.24	+7 58 37.3	6 25.1	0.75 6917	2214	4 44.2
27	10 58 14.40	1 0.96	7 52 12.2	6 35.8	0.75 9131	2178	4 37.4
29	10 59 15.36	1 2.64	7 45 36.4	6 46.4	0.76 1309	2139	4 30.5
Juli 1	11 0 18.00	1 4.27	7 38 50.0	6 56.7	0.76 3448	2100	4 23.7
3	11 1 22.27	1 5.86	7 31 53.3	7 6.8	0.76 5548	2059	4 16.9
5	11 2 28.13	1 7.38	7 24 46.5	7 16.5	0.76 7607	2017	4 10.1
7	11 3 35.51	1 8.87	+7 17 30.0	7 26.0	0.76 9624	1974	4 3.4
9	11 4 44.38	1 10.31	7 10 4.0	7 35.2	0.77 1598	1930	3 56.7
11	11 5 54.69	1 11.69	7 2 28.8	7 44.1	0.77 3528	1885	3 50.0
13	11 7 6.38	1 13.01	6 54 44.7	7 52.8	0.77 5413	1840	3 43.3
15	11 8 19.39	1 14.29	6 46 51.9	8 1.1	0.77 7253	1794	3 36.6
17	11 9 33.68	1 15.54	6 38 50.8	8 9.2	0.77 9047	1747	3 30.0
19	11 10 49.22	1 16.73	+6 30 41.6	8 17.1	0.78 0794	1701	3 23.4
21	11 12 5.95	1 17.89	6 22 24.5	8 24.6	0.78 2495	1653	3 16.8
23	11 13 23.84	1 19.01	6 13 59.9	8 32.2	0.78 4148	1605	3 10.2
25	11 14 42.85	1 20.09	6 5 27.7	8 39.3	0.78 5753	1557	3 3.7
27	11 16 2.94	1 21.15	5 56 48.4	8 46.3	0.78 7310	1508	2 57.2
29	11 17 24.09	1 22.15	5 48 2.1	8 52.8	0.78 8818	1457	2 50.6
31	11 18 46.24	1 23.12	+5 39 9.3	8 59.5	0.79 0275	1408	2 44.1
Aug. 2	11 20 9.36	1 24.06	5 30 9.8	9 5.7	0.79 1683	1356	2 37.7
4	11 21 33.42	1 24.95	5 21 4.1	9 11.6	0.79 3039	1304	2 31.2
6	11 22 58.37	1 25.79	5 11 52.5	9 17.2	0.79 4343	1253	2 24.7
8	11 24 24.16	1 26.59	5 2 35.3	9 22.6	0.79 5596	1200	2 18.3
10	11 25 50.75	1 27.34	4 53 12.7	9 27.7	0.79 6796	1147	2 11.9
12	11 27 18.09	1 28.06	+4 43 45.0	9 32.6	0.79 7943	1094	2 5.5
14	11 28 46.15	1 28.74	4 34 12.4	9 37.1	0.79 9037	1040	1 59.0
16	11 30 14.89	1 29.40	4 24 35.3	9 41.6	0.80 0077	988	1 52.7
18	11 31 44.29	1 30.00	4 14 53.7	9 45.6	0.80 1065	935	1 46.3
20	11 33 14.29	1 30.59	4 5 8.1	9 49.6	0.80 2000	881	1 39.9
22	11 34 44.88	1 31.14	3 55 18.5	9 53.2	0.80 2881	826	1 33.6
24	11 36 16.02	1 31.68	+3 45 25.3	9 56.7	0.80 3707	773	1 27.2
26	11 37 47.70	1 32.16	3 35 28.6	10 0.0	0.80 4480	717	1 20.9
28	11 39 19.86	1 32.63	3 25 28.6	10 2.9	0.80 5197	663	1 14.5
30	11 40 52.49	1 33.05	3 15 25.7	10 5.7	0.80 5860	607	1 8.2
Sept. 1	11 42 25.54	1 33.43	3 5 20.0	10 8.2	0.80 6467	551	1 1.9
3	11 43 58.97		2 55 11.8		0.80 7018		0 55.6

Tag	0h mittlere Zeit Greenwich Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	m s	° ′ ″	′ ″			h m
Sept. 3	11 43 58.97	1 33.78	+2 55 11.8	10 10.2	0.80 7018	495	0 55.6
5	11 45 32.75	1 34.09	2 45 1.6	10 12.1	0.80 7513	439	0 49.2
7	11 47 6.84	1 34.35	2 34 49.5	10 13.6	0.80 7952	383	0 42.9
9	11 48 41.19	1 34.59	2 24 35.9	10 15.0	0.80 8335	326	0 36.6
11	11 50 15.78	1 34.78	2 14 20.9	10 16.1	0.80 8661	269	0 30.4
13	11 51 50.56	1 34.95	2 4 4.8	10 16.9	0.80 8930	214	0 24.1
15	11 53 25.51	1 35.09	+1 53 47.9	10 17.5	0.80 9144	157	0 17.8
17	11 55 0.60	1 35.20	1 43 30.4	10 17.9	0.80 9301	101	0 11.5
19	11 56 35.80	1 35.28	1 33 12.5	10 18.0	0.80 9402	44	0 5.2
21	11 58 11.08	1 35.34	1 22 54.5	10 17.9	0.80 9446	12	20 23 55.8
23	11 59 46.42	1 35.35	1 12 36.6	10 17.5	0.80 9434	70	23 49.5
25	12 1 21.77	1 35.35	1 2 19.1	10 16.9	0.80 9364	127	23 43.2
27	12 2 57.12	1 35.29	+0 52 2.2	10 16.0	0.80 9237	185	23 36.9
29	12 4 32.41	1 35.20	0 41 46.2	10 14.8	0.80 9052	242	23 30.6
Okt. 1	12 6 7.61	1 35.08	0 31 31.4	10 13.3	0.80 8810	301	23 24.4
3	12 7 42.69	1 34.90	0 21 18.1	10 11.4	0.80 8509	358	23 18.1
5	12 9 17.59	1 34.69	0 11 6.7	10 9.4	0.80 8151	415	23 11.8
7	12 10 52.28	1 34.44	+0 0 57.3	10 6.9	0.80 7736	473	23 5.5
9	12 12 26.72	1 34.16	−0 9 9.6	10 4.3	0.80 7263	531	22 59.2
11	12 14 0.88	1 33.84	0 19 13.9	10 1.4	0.80 6732	588	22 52.9
13	12 15 34.72	1 33.49	0 29 15.3	9 58.3	0.80 6144	645	22 46.5
15	12 17 8.21	1 33.11	0 39 13.6	9 54.9	0.80 5499	701	22 40.2
17	12 18 41.32	1 32.68	0 49 8.5	9 51.1	0.80 4798	759	22 33.9
19	12 20 14.00	1 32.24	0 58 59.6	9 47.2	0.80 4039	816	22 27.6
21	12 21 46.24	1 31.75	−1 8 46.8	9 42.9	0.80 3223	872	22 21.3
23	12 23 17.99	1 31.23	1 18 29.7	9 38.5	0.80 2351	930	22 14.9
25	12 24 49.22	1 30.65	1 28 8.2	9 33.6	0.80 1421	987	22 8.6
27	12 26 19.87	1 30.04	1 37 41.8	9 28.6	0.80 0434	1044	22 2.2
29	12 27 49.91	1 29.37	1 47 10.4	9 23.0	0.79 9390	1101	21 55.8
31	12 29 19.28	1 28.66	1 56 33.4	9 17.3	0.79 8289	1157	21 49.4
Nov. 2	12 30 47.94	1 27.90	−2 5 50.7	9 11.2	0.79 7132	1214	21 43.0
4	12 32 15.84	1 27.10	2 15 1.9	9 4.8	0.79 5918	1269	21 36.6
6	12 33 42.94	1 26.25	2 24 6.7	8 58.2	0.79 4649	1324	21 30.2
8	12 35 9.19	1 25.36	2 33 4.9	8 51.2	0.79 3325	1379	21 23.8
10	12 36 34.55	1 24.43	2 41 56.1	8 44.0	0.79 1946	1434	21 17.3
12	12 37 58.98	1 23.47	2 50 40.1	8 36.5	0.79 0512	1487	21 10.8
14	12 39 22.45	1 22.44	−2 59 16.6	8 28.6	0.78 9025	1540	21 4.3
16	12 40 44.89	1 21.39	3 7 45.2	8 20.6	0.78 7485	1593	20 57.8
18	12 42 6.28	1 20.28	3 16 5.8	8 12.2	0.78 5892	1646	20 51.3
20	12 43 26.56	1 19.14	3 24 18.0	8 3.6	0.78 4246	1699	20 44.8
22	12 44 45.70	1 17.93	3 32 21.6	7 54.6	0.78 2547	1750	20 38.2
24	12 46 3.63		3 40 16.2		0.78 0797		20 31.6

Tag	0ʰ mittlere Zeit Greenwich						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1921	h m s	m s	° ′ ″	′ ″			h m
Nov. 24	12 46 3.63	1 16.68	−3 40 16.2	7 45.3	0.78 0797	1801	20 31.6
26	12 47 20.31	1 15.35	3 48 1.5	7 35.5	0.77 8996	1852	20 25.0
28	12 48 35.66	1 13.97	3 55 37.0	7 25.6	0.77 7144	1901	20 18.4
30	12 49 49.63	1 12.54	4 3 2.6	7 15.3	0.77 5243	1950	20 11.8
Dez. 2	12 51 2.17	1 11.06	4 10 17.9	7 4.7	0.77 3293	1998	20 5.1
4	12 52 13.23	1 9.52	4 17 22.6	6 53.7	0.77 1295	2044	19 58.4
6	12 53 22.75	1 7.93	−4 24 16.3	6 42.5	0.76 9251	2089	19 51.7
8	12 54 30.68	1 6.28	4 30 58.8	6 31.0	0.76 7162	2133	19 44.9
10	12 55 36.96	1 4.60	4 37 29.8	6 19.3	0.76 5029	2175	19 38.1
12	12 56 41.56	1 2.86	4 43 49.1	6 7.2	0.76 2854	2218	19 31.4
14	12 57 44.42	1 1.08	4 49 56.3	5 55.0	0.76 0636	2257	19 24.5
16	12 58 45.50	0 59.23	4 55 51.3	5 42.3	0.75 8379	2297	19 17.6
18	12 59 44.73	0 57.34	−5 1 33.6	5 29.5	0.75 6082	2335	19 10.8
20	13 0 42.07	0 55.37	5 7 3.1	5 16.2	0.75 3747	2372	19 3.8
22	13 1 37.44	0 53.36	5 12 19.3	5 2.7	0.75 1375	2406	18 56.9
24	13 2 30.80	0 51.28	5 17 22.0	4 48.8	0.74 8969	2440	18 49.9
26	13 3 22.08	0 49.14	5 22 10.8	4 34.7	0.74 6529	2471	18 42.8
28	13 4 11.22	0 46.94	5 26 45.5	4 20.3	0.74 4058	2500	18 35.8
30	13 4 58.16	0 44.69	−5 31 5.8	4 5.6	0.74 1558	2528	18 28.7
32	13 5 42.85		5 35 11.4		0.73 9030		18 21.5

Tag	0ʰ mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	s	° ′ ″	′ ″			h m
Jan. 0	11 44 14.97	3.29	+4 1 38.5	0 15.4	0.95 9373	1524	17 3.0
2	11 44 18.26	1.67	4 1 53.9	0 25.9	0.95 7849	1514	16 55.2
4	11 44 19.93	0.04	4 2 19.8	0 36.4	0.95 6335	1501	16 47.4
6	11 44 19.97	1.59	4 2 56.2	0 46.7	0.95 4834	1485	16 39.5
8	11 44 18.38	3.21	4 3 42.9	0 57.0	0.95 3349	1468	16 31.6
10	11 44 15.17	4.83	4 4 39.9	1 7.2	0.95 1881	1448	16 23.7
12	11 44 10.34	6.43	+4 5 47.1	1 17.2	0.95 0433	1427	16 15.7
14	11 44 3.91	8.01	4 7 4.3	1 27.2	0.94 9006	1402	16 7.7
16	11 43 55.90	9.57	4 8 31.5	1 36.9	0.94 7604	1375	15 59.7
18	11 43 46.33	11.11	4 10 8.4	1 46.3	0.94 6229	1347	15 51.7
20	11 43 35.22	12.62	4 11 54.7	1 55.7	0.94 4882	1317	15 43.6
22	11 43 22.60	14.10	4 13 50.4	2 4.6	0.94 3565	1284	15 35.6
24	11 43 8.50	15.57	+4 15 55.0	2 13.6	0.94 2281	1249	15 27.5
26	11 42 52.93	17.00	4 18 8.6	2 22.3	0.94 1032	1212	15 19.3
28	11 42 35.93	18.40	4 20 30.9	2 30.6	0.93 9820	1174	15 11.2
30	11 42 17.53	19.77	4 23 1.5	2 38.6	0.93 8646	1133	15 3.0
Febr. 1	11 41 57.76	21.10	4 25 40.1	2 46.5	0.93 7513	1090	14 54.8
3	11 41 36.66	22.39	4 28 26.6	2 53.9	0.93 6423	1045	14 46.6
5	11 41 14.27	23.64	+4 31 20.5	3 0.9	0.93 5378	998	14 38.3
7	11 40 50.63	24.81	4 34 21.4	3 7.5	0.93 4380	949	14 30.1
9	11 40 25.82	25.95	4 37 28.9	3 13.9	0.93 3431	898	14 21.8
11	11 39 59.87	27.00	4 40 42.8	3 19.7	0.93 2533	845	14 13.5
13	11 39 32.87	28.02	4 44 2.5	3 25.1	0.93 1688	792	14 5.2
15	11 39 4.85	28.97	4 47 27.6	3 29.9	0.93 0896	736	13 56.9
17	11 38 35.88	29.85	+4 50 57.5	3 34.5	0.93 0160	680	13 48.5
19	11 38 6.03	30.65	4 54 32.0	3 38.4	0.92 9480	622	13 40.1
21	11 37 35.38	31.40	4 58 10.4	3 42.0	0.92 8858	563	13 31.8
23	11 37 3.98	32.08	5 1 52.4	3 45.1	0.92 8295	503	13 23.4
25	11 36 31.90	32.71	5 5 37.5	3 47.8	0.92 7792	442	13 15.0
27	11 35 59.19	33.25	5 9 25.3	3 49.8	0.92 7350	381	13 6.6
März 1	11 35 25.94	33.73	+5 13 15.1	3 51.5	0.92 6969	318	12 58.2
3	11 34 52.21	34.13	5 17 6.6	3 52.7	0.92 6651	255	12 49.7
5	11 34 18.08	34.45	5 20 59.3	3 53.2	0.92 6396	191	12 41.3
7	11 33 43.63	34.70	5 24 52.5	3 53.3	0.92 6205	127	12 32.8
9	11 33 8.93	34.85	5 28 45.8	3 52.8	0.92 6078	62	12 24.4
11	11 32 34.08	34.94	5 32 38.6	3 51.9	0.92 6016	2	12 16.0
13	11 31 59.14	34.93	+5 36 30.5	3 50.3	0.92 6018	67	12 7.5
15	11 31 24.21	34.85	5 40 20.8	3 48.3	0.92 6085	131	11 59.1
17	11 30 49.36	34.68	5 44 9.1	3 45.8	0.92 6216	195	11 50.7
19	11 30 14.68	34.45	5 47 54.9	3 42.8	0.92 6411	257	11 42.2
21	11 29 40.23	34.14	5 51 37.7	3 39.4	0.92 6668	320	11 33.8
23	11 29 6.09		5 55 17.1		0.92 6988		11 25.4

Tag	0ʰ mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	s	° ′ ″	′ ″			h m
März 23	11 29 6.09	33.76	+5 55 17.1	3 35.5	0.92 6988	382	11 25.4
25	11 28 32.33	33.31	5 58 52.6	3 31.2	0.92 7370	442	11 17.0
27	11 27 59.02	32.80	6 2 23.8	3 26.5	0.92 7812	503	11 8.5
29	11 27 26.22	32.21	6 5 50.3	3 21.3	0.92 8315	561	11 0.1
31	11 26 54.01	31.56	6 9 11.6	3 15.7	0.92 8876	620	10 51.7
April 2	11 26 22.45	30.83	6 12 27.3	3 9.8	0.92 9496	677	10 43.3
4	11 25 51.62	30.05	+6 15 37.1	3 3.5	0.93 0173	733	10 35.0
6	11 25 21.57	29.19	6 18 40.6	2 56.7	0.93 0906	786	10 26.6
8	11 24 52.38	28.27	6 21 37.3	2 49.6	0.93 1692	840	10 18.3
10	11 24 24.11	27.29	6 24 26.9	2 42.2	0.93 2532	891	10 9.9
12	11 23 56.82	26.25	6 27 9.1	2 34.4	0.93 3423	940	10 1.6
14	11 23 30.57	25.17	6 29 43.5	2 26.4	0.93 4363	987	9 53.3
16	11 23 5.40	24.02	+6 32 9.9	2 18.2	0.93 5350	1033	9 45.1
18	11 22 41.38	22.85	6 34 28.1	2 9.8	0.93 6383	1077	9 36.8
20	11 22 18.53	21.64	6 36 37.9	2 1.1	0.93 7460	1119	9 28.6
22	11 21 56.89	20.39	6 38 39.0	1 52.2	0.93 8579	1158	9 20.4
24	11 21 36.50	19.09	6 40 31.2	1 43.2	0.93 9737	1196	9 12.2
26	11 21 17.41	17.78	6 42 14.4	1 34.0	0.94 0933	1233	9 4.0
28	11 20 59.63	16.43	+6 43 48.4	1 24.7	0.94 2166	1267	8 55.8
30	11 20 43.20	15.04	6 45 13.1	1 15.2	0.94 3433	1300	8 47.7
Mai 2	11 20 28.16	13.62	6 46 28.3	1 5.5	0.94 4733	1330	8 39.6
4	11 20 14.54	12.19	6 47 33.8	0 55.8	0.94 6063	1358	8 31.5
6	11 20 2.35	10.72	6 48 29.6	0 46.0	0.94 7421	1385	8 23.4
8	11 19 51.63	9.23	6 49 15.6	0 36.1	0.94 8806	1409	8 15.4
10	11 19 42.40	7.73	+6 49 51.7	0 26.2	0.95 0215	1431	8 7.4
12	11 19 34.67	6.22	6 50 17.9	0 16.2	0.95 1646	1451	7 59.4
14	11 19 28.45	4.70	6 50 34.1	0 6.2	0.95 3097	1469	7 51.4
16	11 19 23.75	3.18	6 50 40.3	0 3.7	0.95 4566	1485	7 43.5
18	11 19 20.57	1.65	6 50 36.6	0 13.6	0.95 6051	1498	7 35.6
20	11 19 18.92	0.14	6 50 23.0	0 23.4	0.95 7549	1510	7 27.7
22	11 19 18.78	1.39	+6 49 59.6	0 33.3	0.95 9059	1521	7 19.8
24	11 19 20.17	2.91	6 49 26.3	0 43.1	0.96 0580	1529	7 12.0
26	11 19 23.08	4.43	6 48 43.2	0 52.8	0.96 2109	1536	7 4.2
28	11 19 27.51	5.94	6 47 50.4	1 2.5	0.96 3645	1541	6 56.4
30	11 19 33.45	7.45	6 46 47.9	1 12.1	0.96 5186	1544	6 48.6
Juni 1	11 19 40.90	8.96	6 45 35.8	1 21.7	0.96 6730	1546	6 40.9
3	11 19 49.86	10.46	+6 44 14.1	1 31.1	0.96 8276	1546	6 33.2
5	11 20 0.32	11.95	6 42 43.0	1 40.5	0.96 9822	1544	6 25.5
7	11 20 12.27	13.43	6 41 2.5	1 49.8	0.97 1366	1539	6 17.8
9	11 20 25.70	14.89	6 39 12.7	1 58.9	0.97 2905	1535	6 10.2
11	11 20 40.59	16.32	6 37 13.8	2 7.8	0.97 4440	1527	6 2.6
13	11 20 56.91		6 35 6.0		0.97 5967		5 55.0

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	s	° ′ ″	′ ″			h m
Juni 13	11 20 56.91	17.75	+6 35 6.0	2 16.7	0.97 5967	1519	5 55.0
15	11 21 14.66	19.14	6 32 49.3	2 25.3	0.97 7486	1509	5 47.4
17	11 21 33.80	20.51	6 30 24.0	2 33.9	0.97 8995	1497	5 39.9
19	11 21 54.31	21.86	6 27 50.1	2 42.3	0.98 0492	1485	5 32.4
21	11 22 16.17	23.20	6 25 7.8	2 50.5	0.98 1977	1471	5 24.9
23	11 22 39.37	24.50	6 22 17.3	2 58.5	0.98 3448	1456	5 17.4
25	11 23 3.87	25.80	+6 19 18.8	3 6.5	0.98 4904	1440	5 9.9
27	11 23 29.67	27.06	6 16 12.3	3 14.4	0.98 6344	1423	5 2.5
29	11 23 56.73	28.32	6 12 57.9	3 22.0	0.98 7767	1404	4 55.1
Juli 1	11 24 25.05	29.54	6 9 35.9	3 29.4	0.98 9171	1385	4 47.7
3	11 24 54.59	30.74	6 6 6.5	3 36.8	0.99 0556	1364	4 40.3
5	11 25 25.33	31.92	6 2 29.7	3 44.0	0.99 1920	1341	4 33.0
7	11 25 57.25	33.07	+5 58 45.7	3 51.0	0.99 3261	1318	4 25.6
9	11 26 30.32	34.19	5 54 54.7	3 57.7	0.99 4579	1294	4 18.3
11	11 27 4.51	35.27	5 50 57.0	4 4.2	0.99 5873	1269	4 11.0
13	11 27 39.78	36.33	5 46 52.8	4 10.6	0.99 7142	1242	4 3.8
15	11 28 16.11	37.35	5 42 42.2	4 16.7	0.99 8384	1216	3 56.5
17	11 28 53.46	38.35	5 38 25.5	4 22.8	0.99 9600	1188	3 49.3
19	11 29 31.81	39.32	+5 34 2.7	4 28.6	1.00 0788	1160	3 42.0
21	11 30 11.13	40.26	5 29 34.1	4 34.2	1.00 1948	1131	3 34.8
23	11 30 51.39	41.18	5 24 59.9	4 39.7	1.00 3079	1102	3 27.6
25	11 31 32.57	42.07	5 20 20.2	4 45.0	1.00 4181	1071	3 20.4
27	11 32 14.64	42.93	5 15 35.2	4 50.2	1.00 5252	1040	3 13.3
29	11 32 57.57	43.76	5 10 45.0	4 55.0	1.00 6292	1008	3 6.1
31	11 33 41.33	44.59	+5 5 50.0	4 59.8	1.00 7300	975	2 59.0
Aug. 2	11 34 25.92	45.36	5 0 50.2	5 4.3	1.00 8275	942	2 51.9
4	11 35 11.28	46.11	4 55 45.9	5 8.7	1.00 9217	908	2 44.7
6	11 35 57.39	46.82	4 50 37.2	5 12.8	1.01 0125	873	2 37.7
8	11 36 44.21	47.50	4 45 24.4	5 16.7	1.01 0998	839	2 30.6
10	11 37 31.71	48.15	4 40 7.7	5 20.4	1.01 1837	803	2 23.5
12	11 38 19.86	48.77	+4 34 47.3	5 23.8	1.01 2640	767	2 16.4
14	11 39 8.63	49.35	4 29 23.5	5 27.2	1.01 3407	730	2 9.4
16	11 39 57.98	49.91	4 23 56.3	5 30.3	1.01 4137	694	2 2.3
18	11 40 47.89	50.44	4 18 26.0	5 33.2	1.01 4831	657	1 55.3
20	11 41 38.33	50.95	4 12 52.8	5 35.9	1.01 5488	619	1 48.3
22	11 42 29.28	51.42	4 7 16.9	5 38.4	1.01 6107	582	1 41.2
24	11 43 20.70	51.87	+4 1 38.5	5 40.9	1.01 6689	544	1 34.2
26	11 44 12.57	52.28	3 55 57.6	5 43.0	1.01 7233	506	1 27.2
28	11 45 4.85	52.69	3 50 14.6	5 45.0	1.01 7739	466	1 20.2
30	11 45 57.54	53.04	3 44 29.6	5 46.6	1.01 8205	427	1 13.2
Sept. 1	11 46 50.58	53.37	3 38 43.0	5 48.3	1.01 8632	388	1 6.3
3	11 47 43.95		3 32 54.7		1.01 9020		0 59.3

Tag	0ʰ mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	s	° ′ ″	′ ″			h m
Sept. 3	11 47 43.95	53.66	+3 32 54.7	5 49.5	1.01 9020	347	0 59.3
5	11 48 37.61	53.92	3 27 5.2	5 50.6	1.01 9367	308	0 52.3
7	11 49 31.53	54.14	3 21 14.6	5 51.4	1.01 9675	266	0 45.3
9	11 50 25.67	54.34	3 15 23.2	5 52.1	1.01 9941	227	0 38.4
11	11 51 20.01	54.50	3 9 31.1	5 52.5	1.02 0168	186	0 31.4
13	11 52 14.51	54.63	3 3 38.6	5 52.8	1.02 0354	146	0 24.5
15	11 53 9.14	54.74	+2 57 45.8	5 52.8	1.02 0500	106	0 17.5
17	11 54 3.88	54.82	2 51 53.0	5 52.7	1.02 0606	64	0 10.5
19	11 54 58.70	54.86	2 46 0.3	5 52.2	1.02 0670	24	0 3.6
21	11 55 53.56	54.88	2 40 8.1	5 51.8	1.02 0694	17	20 23 53.1
23	11 56 48.44	54.88	2 34 16.3	5 50.9	1.02 0677	58	23 46.2
25	11 57 43.32	54.84	2 28 25.4	5 50.0	1.02 0619	99	23 39.2
27	11 58 38.16	54.76	+2 22 35.4	5 48.7	1.02 0520	140	23 32.3
29	11 59 32.92	54.65	2 16 46.7	5 47.3	1.02 0380	182	23 25.3
Okt. 1	12 0 27.57	54.51	2 10 59.4	5 45.6	1.02 0198	223	23 18.4
3	12 1 22.08	54.33	2 5 13.8	5 43.7	1.01 9975	264	23 11.4
5	12 2 16.41	54.11	1 59 30.1	5 41.6	1.01 9711	305	23 4.4
7	12 3 10.52	53.87	1 53 48.5	5 39.3	1.01 9406	346	22 57.5
9	12 4 4.39	53.58	+1 48 9.2	5 36.6	1.01 9060	386	22 50.5
11	12 4 57.97	53.28	1 42 32.6	5 33.9	1.01 8674	427	22 43.5
13	12 5 51.25	52.93	1 36 58.7	5 30.8	1.01 8247	467	22 36.5
15	12 6 44.18	52.56	1 31 27.9	5 27.6	1.01 7780	506	22 29.5
17	12 7 36.74	52.15	1 26 0.3	5 24.2	1.01 7274	546	22 22.5
19	12 8 28.89	51.73	1 20 36.1	5 20.6	1.01 6728	585	22 15.5
21	12 9 20.62	51.26	+1 15 15.5	5 16.8	1.01 6143	625	22 8.5
23	12 10 11.88	50.76	1 9 58.7	5 12.8	1.01 5518	664	22 1.5
25	12 11 2.64	50.23	1 4 45.9	5 8.4	1.01 4854	702	21 54.5
27	12 11 52.87	49.66	0 59 37.5	5 3.9	1.01 4152	741	21 47.5
29	12 12 42.53	49.05	0 54 33.6	4 59.1	1.01 3411	779	21 40.4
31	12 13 31.58	48.41	0 49 34.5	4 54.1	1.01 2632	816	21 33.4
Nov. 2	12 14 19.99	47.72	+0 44 40.4	4 48.9	1.01 1816	853	21 26.3
4	12 15 7.71	47.01	0 39 51.5	4 43.4	1.01 0963	890	21 19.2
6	12 15 54.72	46.25	0 35 8.1	4 37.8	1.01 0073	925	21 12.1
8	12 16 40.97	45.46	0 30 30.3	4 31.8	1.00 9148	960	21 5.0
10	12 17 26.43	44.66	0 25 58.5	4 25.8	1.00 8188	995	20 57.9
12	12 18 11.09	43.81	0 21 32.7	4 19.6	1.00 7193	1028	20 50.8
14	12 18 54.90	42.93	+0 17 13.1	4 13.0	1.00 6165	1061	20 43.6
16	12 19 37.83	42.03	0 13 0.1	4 6.5	1.00 5104	1093	20 36.5
18	12 20 19.86	41.09	0 8 53.6	3 59.5	1.00 4011	1125	20 29.3
20	12 21 0.95	40.11	0 4 54.1	3 52.4	1.00 2886	1156	20 22.1
22	12 21 41.06	39.10	+0 1 1.7	3 45.1	1.00 1730	1186	20 14.9
24	12 22 20.16		−0 2 43.4		1.00 0544		20 7.7

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension	Diff.	0h mittlere Zeit Greenwich: Scheinbare Deklination	Diff.	0h mittlere Zeit Greenwich: log Δ	Diff.	Obere Kulmination in Greenwich
1921	h m s	s	° ′ ″	′ ″			h m
Nov. 24	12 22 20.16	38.06	−0 2 43.4	3 37.7	1.00 0544	1216	20 7.7
26	12 22 58.22	36.97	0 6 21.1	3 29.8	0.99 9328	1243	20 0.5
28	12 23 35.19	35.85	0 9 50.9	3 22.0	0.99 8085	1271	19 53.2
30	12 24 11.04	34.70	0 13 12.9	3 13.8	0.99 6814	1297	19 45.9
Dez. 2	12 24 45.74	33.52	0 16 26.7	3 5.5	0.99 5517	1322	19 38.6
4	12 25 19.26	32.30	0 19 32.2	2 57.1	0.99 4195	1345	19 31.3
6	12 25 51.56	31.06	−0 22 29.3	2 48.4	0.99 2850	1368	19 24.0
8	12 26 22.62	29.78	0 25 17.7	2 39.6	0.99 1482	1389	19 16.6
10	12 26 52.40	28.49	0 27 57.3	2 30.6	0.99 0093	1409	19 9.2
12	12 27 20.89	27.16	0 30 27.9	2 21.6	0.98 8684	1427	19 1.8
14	12 27 48.05	25.82	0 32 49.5	2 12.4	0.98 7257	1444	18 54.4
16	12 28 13.87	24.45	0 35 1.9	2 3.0	0.98 5813	1461	18 47.0
18	12 28 38.32	23.06	−0 37 4.9	1 53.5	0.98 4352	1475	18 39.5
20	12 29 1.38	21.63	0 38 58.4	1 43.9	0.98 2877	1488	18 32.0
22	12 29 23.01	20.18	0 40 42.3	1 34.1	0.98 1389	1499	18 24.5
24	12 29 43.19	18.69	0 42 16.4	1 24.3	0.97 9890	1510	18 17.0
26	12 30 1.88	17.19	0 43 40.7	1 14.3	0.97 8380	1517	18 9.4
28	12 30 19.07	15.68	0 44 55.0	1 4.2	0.97 6863	1524	18 1.8
30	12 30 34.75	14.14	−0 45 59.2	0 54.0	0.97 5339	1529	17 54.2
32	12 30 48.89		0 46 53.2		0.97 3810		17 46.6

Tag	Scheinbare Rektaszension (0h mittlere Zeit Greenwich)		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	s	° ′ ″	′ ″			h m
Jan. 0	22 20 4.05	18.20	−11 10 35.5	1 47.3	1.31 4534	578	3 41.0
2	22 20 22.25	18.75	11 8 48.2	1 50.4	1.31 5112	562	3 33.5
4	22 20 41.00	19.30	11 6 57.8	1 53.5	1.31 5674	545	3 25.9
6	22 21 0.30	19.82	11 5 4.3	1 56.4	1.31 6219	529	3 18.4
8	22 21 20.12	20.32	11 3 7.9	1 59.2	1.31 6748	510	3 10.8
10	22 21 40.44	20.81	11 1 8.7	2 2.0	1.31 7258	492	3 3.3
12	22 22 1.25	21.27	−10 59 6.7	2 4.6	1.31 7750	473	2 55.8
14	22 22 22.52	21.71	10 57 2.1	2 7.2	1.31 8223	455	2 48.3
16	22 22 44.23	22.12	10 54 54.9	2 9.6	1.31 8678	435	2 40.8
18	22 23 6.35	22.52	10 52 45.3	2 11.8	1.31 9113	415	2 33.3
20	22 23 28.87	22.90	10 50 33.5	2 13.9	1.31 9528	394	2 25.8
22	22 23 51.77	23.27	10 48 19.6	2 16.1	1.31 9922	374	2 18.3
24	22 24 15.04	23.60	−10 46 3.5	2 18.0	1.32 0296	354	2 10.8
26	22 24 38.64	23.91	10 43 45.5	2 19.8	1.32 0650	332	2 3.4
28	22 25 2.55	24.21	10 41 25.7	2 21.5	1.32 0982	311	1 55.9
30	22 25 26.76	24.49	10 39 4.2	2 23.1	1.32 1293	289	1 48.5
Febr. 1	22 25 51.25	24.74	10 36 41.1	2 24.6	1.32 1582	267	1 41.0
3	22 26 15.99	24.98	10 34 16.5	2 26.0	1.32 1849	245	1 33.6
5	22 26 40.97	25.19	−10 31 50.5	2 27.3	1.32 2094	222	1 26.1
7	22 27 6.16	25.38	10 29 23.2	2 28.2	1.32 2316	199	1 18.7
9	22 27 31.54	25.55	10 26 55.0	2 29.2	1.32 2515	177	1 11.2
11	22 27 57.09	25.69	10 24 25.8	2 30.0	1.32 2692	154	1 3.8
13	22 28 22.78	25.80	10 21 55.8	2 30.8	1.32 2846	130	0 56.3
15	22 28 48.58	25.89	10 19 25.0	2 31.3	1.32 2976	107	0 48.9
17	22 29 14.47	25.97	−10 16 53.7	2 31.8	1.32 3083	84	0 41.4
19	22 29 40.44	26.02	10 14 21.9	2 32.1	1.32 3167	61	0 34.0
21	22 30 6.46	26.05	10 11 49.8	2 32.3	1.32 3228	38	0 26.6
23	22 30 32.51	26.06	10 9 17.5	2 32.3	1.32 3266	15	0 19.2
25	22 30 58.57	26.06	10 6 45.2	2 32.2	1.32 3281	8	0 11.7
27	22 31 24.63	26.03	10 4 13.0	2 32.1	1.32 3273	31	28 0 4.3
März 1	22 31 50.66	25.97	−10 1 40.9	2 31.9	1.32 3242	55	23 53.1
3	22 32 16.63	25.90	9 59 9.0	2 31.4	1.32 3187	77	23 45.7
5	22 32 42.53	25.81	9 56 37.6	2 30.8	1.32 3110	101	23 38.2
7	22 33 8.34	25.68	9 54 6.8	2 30.2	1.32 3009	124	23 30.8
9	22 33 34.02	25.55	9 51 36.6	2 29.3	1.32 2885	146	23 23.3
11	22 33 59.57	25.39	9 49 7.3	2 28.3	1.32 2739	169	23 15.9
13	22 34 24.96	25.20	− 9 46 39.0	2 27.3	1.32 2570	191	23 8.4
15	22 34 50.16	24.99	9 44 11.7	2 26.0	1.32 2379	213	23 1.0
17	22 35 15.15	24.77	9 41 45.7	2 24.7	1.32 2166	235	22 53.5
19	22 35 39.92	24.53	9 39 21.0	2 23.3	1.32 1931	257	22 46.1
21	22 36 4.45	24.26	9 36 57.7	2 21.7	1.32 1674	278	22 38.6
23	22 36 28.71		9 34 36.0		1.32 1396		22 31.2

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	s	° ′ ″	′ ″			h m
März 23	22 36 28.71	23.98	−9 34 36.0	2 20.0	1.32 1396	299	22 31.2
25	22 36 52.69	23.68	9 32 16.0	2 18.3	1.32 1097	319	22 23.7
27	22 37 16.37	23.36	9 29 57.7	2 16.4	1.32 0778	340	22 16.3
29	22 37 39.73	23.02	9 27 41.3	2 14.3	1.32 0438	360	22 8.8
31	22 38 2.75	22.68	9 25 27.0	2 12.2	1.32 0078	380	22 1.3
April 2	22 38 25.43	22.30	9 23 14.8	2 9.9	1.31 9698	399	21 53.8
4	22 38 47.73	21.91	−9 21 4.9	2 7.6	1.31 9299	419	21 46.3
6	22 39 9.64	21.49	9 18 57.3	2 5.1	1.31 8880	437	21 38.8
8	22 39 31.13	21.06	9 16 52.2	2 2.5	1.31 8443	455	21 31.3
10	22 39 52.19	20.61	9 14 49.7	1 59.8	1.31 7988	473	21 23.8
12	22 40 12.80	20.15	9 12 49.9	1 57.0	1.31 7515	491	21 16.3
14	22 40 32.95	19.67	9 10 52.9	1 54.1	1.31 7024	507	21 8.8
16	22 40 52.62	19.17	−9 8 58.8	1 51.1	1.31 6517	523	21 1.2
18	22 41 11.79	18.66	9 7 7.7	1 48.0	1.31 5994	539	20 53.7
20	22 41 30.45	18.13	9 5 19.7	1 44.8	1.31 5455	554	20 46.1
22	22 41 48.58	17.60	9 3 34.9	1 41.6	1.31 4901	568	20 38.6
24	22 42 6.18	17.05	9 1 53.3	1 38.3	1.31 4333	583	20 31.0
26	22 42 23.23	16.48	9 0 15.0	1 34.8	1.31 3750	596	20 23.4
28	22 42 39.71	15.91	−8 58 40.2	1 31.3	1.31 3154	609	20 15.8
30	22 42 55.62	15.32	8 57 8.9	1 27.7	1.31 2545	622	20 8.2
Mai 2	22 43 10.94	14.70	8 55 41.2	1 24.0	1.31 1923	633	20 0.6
4	22 43 25.64	14.09	8 54 17.2	1 20.3	1.31 1290	645	19 53.0
6	22 43 39.73	13.46	8 52 56.9	1 16.4	1.31 0645	656	19 45.3
8	22 43 53.19	12.81	8 51 40.5	1 12.4	1.30 9989	665	19 37.7
10	22 44 6.00	12.16	−8 50 28.1	1 8.5	1.30 9324	674	19 30.0
12	22 44 18.16	11.49	8 49 19.6	1 4.5	1.30 8650	683	19 22.4
14	22 44 29.65	10.82	8 48 15.1	1 0.3	1.30 7967	690	19 14.7
16	22 44 40.47	10.15	8 47 14.8	0 56.2	1.30 7277	697	19 7.0
18	22 44 50.62	9.46	8 46 18.6	0 52.1	1.30 6580	703	18 59.3
20	22 45 0.08	8.77	8 45 26.5	0 48.0	1.30 5877	709	18 51.6
22	22 45 8.85	8.07	−8 44 38.5	0 43.7	1.30 5168	713	18 43.8
24	22 45 16.92	7.37	8 43 54.8	0 39.4	1.30 4455	717	18 36.1
26	22 45 24.29	6.66	8 43 15.4	0 35.2	1.30 3738	721	18 28.3
28	22 45 30.95	5.95	8 42 40.2	0 30.8	1.30 3017	723	18 20.6
30	22 45 36.90	5.23	8 42 9.4	0 26.4	1.30 2294	725	18 12.8
Juni 1	22 45 42.13	4.50	8 41 43.0	0 22.0	1.30 1569	726	18 5.0
3	22 45 46.63	3.76	−8 41 21.0	0 17.8	1.30 0843	726	17 57.2
5	22 45 50.39	3.03	8 41 3.2	0 13.3	1.30 0117	725	17 49.4
7	22 45 53.42	2.30	8 40 49.9	0 8.8	1.29 9392	724	17 41.6
9	22 45 55.72	1.58	8 40 41.1	0 4.3	1.29 8668	721	17 33.8
11	22 45 57.30	0.84	8 40 36.8	0 0.1	1.29 7947	718	17 26.0
13	22 45 58.14		8 40 36.9		1.29 7229		17 18.2

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	s	° ′ ″	′ ″			h m
Juni 13	22 45 58.14	0.11	−8 40 36.9	0 4.4	1.29 7229	713	17 18.2
15	22 45 58.25	0.61	8 40 41.3	0 8.7	1.29 6516	708	17 10.3
17	22 45 57.64	1.33	8 40 50.0	0 13.1	1.29 5808	703	17 2.4
19	22 45 56.31	2.04	8 41 3.1	0 17.3	1.29 5105	696	16 54.5
21	22 45 54.27	2.76	8 41 20.4	0 21.6	1.29 4409	688	16 46.6
23	22 45 51.51	3.46	8 41 42.0	0 25.8	1.29 3721	680	16 38.7
25	22 45 48.05	4.16	−8 42 7.8	0 30.0	1.29 3041	672	16 30.8
27	22 45 43.89	4.86	8 42 37.8	0 34.2	1.29 2369	661	16 22.8
29	22 45 39.03	5.54	8 43 12.0	0 38.2	1.29 1708	651	16 14.9
Juli 1	22 45 33.49	6.23	8 43 50.2	0 42.3	1.29 1057	640	16 6.9
3	22 45 27.26	6.90	8 44 32.5	0 46.2	1.29 0417	627	15 59.0
5	22 45 20.36	7.56	8 45 18.7	0 50.1	1.28 9790	613	15 51.0
7	22 45 12.80	8.21	−8 46 8.8	0 53.9	1.28 9177	599	15 43.0
9	22 45 4.59	8.84	8 47 2.7	0 57.6	1.28 8578	584	15 35.0
11	22 44 55.75	9.45	8 48 0.3	1 1.2	1.28 7994	569	15 27.0
13	22 44 46.30	10.05	8 49 1.5	1 4.7	1.28 7425	552	15 18.9
15	22 44 36.25	10.64	8 50 6.2	1 8.0	1.28 6873	535	15 10.9
17	22 44 25.61	11.20	8 51 14.2	1 11.3	1.28 6338	517	15 2.8
19	22 44 14.41	11.75	−8 52 25.5	1 14.4	1.28 5821	499	14 54.8
21	22 44 2.66	12.29	8 53 39.9	1 17.6	1.28 5322	479	14 46.7
23	22 43 50.37	12.81	8 54 57.5	1 20.5	1.28 4843	460	14 38.7
25	22 43 37.56	13.30	8 56 18.0	1 23.3	1.28 4383	440	14 30.6
27	22 43 24.26	13.78	8 57 41.3	1 25.9	1.28 3943	418	14 22.5
29	22 43 10.48	14.24	8 59 7.2	1 28.5	1.28 3525	396	14 14.4
31	22 42 56.24	14.68	−9 0 35.7	1 31.0	1.28 3129	374	14 6.3
Aug. 2	22 42 41.56	15.08	9 2 6.7	1 33.3	1.28 2755	351	13 58.2
4	22 42 26.48	15.47	9 3 40.0	1 35.5	1.28 2404	327	13 50.1
6	22 42 11.01	15.84	9 5 15.5	1 37.3	1.28 2077	303	13 41.9
8	22 41 55.17	16.17	9 6 52.8	1 39.0	1.28 1774	278	13 33.8
10	22 41 39.00	16.48	9 8 31.8	1 40.6	1.28 1496	254	13 25.7
12	22 41 22.52	16.75	−9 10 12.4	1 42.1	1.28 1242	228	13 17.6
14	22 41 5.77	17.00	9 11 54.5	1 43.3	1.28 1014	203	13 9.4
16	22 40 48.77	17.23	9 13 37.8	1 44.4	1.28 0811	177	13 1.3
18	22 40 31.54	17.43	9 15 22.2	1 45.4	1.28 0634	151	12 53.1
20	22 40 14.11	17.61	9 17 7.6	1 46.1	1.28 0483	124	12 45.0
22	22 39 56.50	17.75	9 18 53.7	1 46.7	1.28 0359	97	12 36.8
24	22 39 38.75	17.87	−9 20 40.4	1 47.1	1.28 0262	71	12 28.7
26	22 39 20.88	17.96	9 22 27.5	1 47.4	1.28 0191	44	12 20.5
28	22 39 2.92	18.01	9 24 14.9	1 47.6	1.28 0147	17	12 12.4
30	22 38 44.91	18.05	9 26 2.5	1 47.4	1.28 0130	11	12 4.2
Sept. 1	22 38 26.86	18.04	9 27 49.9	1 47.2	1.28 0141	39	11 56.0
3	22 38 8.82		9 29 37.1		1.28 0180		11 47.8

Tag		0ʰ mittlere Zeit Greenwich						Obere Kulmination in Greenwich
		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1921								
Sept.	3	22ʰ 38ᵐ 8.82ˢ	18.00ˢ	−9° 29′ 37.1″	1′ 46.6″	1.28 0180	65	11ʰ 47.8ᵐ
	5	22 37 50.82	17.94	9 31 23.7	1 46.0	1.28 0245	93	11 39.6
	7	22 37 32.88	17.84	9 33 9.7	1 45.1	1.28 0338	120	11 31.5
	9	22 37 15.04	17.71	9 34 54.8	1 44.1	1.28 0458	147	11 23.3
	11	22 36 57.33	17.54	9 36 38.9	1 43.0	1.28 0605	174	11 15.2
	13	22 36 39.79	17.36	9 38 21.9	1 41.7	1.28 0779	200	11 7.0
	15	22 36 22.43	17.15	−9 40 3.6	1 40.0	1.28 0979	226	10 58.9
	17	22 36 5.28	16.91	9 41 43.6	1 38.4	1.28 1205	252	10 50.7
	19	22 35 48.37	16.64	9 43 22.0	1 36.5	1.28 1457	278	10 42.6
	21	22 35 31.73	16.34	9 44 58.5	1 34.6	1.28 1735	304	10 34.4
	23	22 35 15.39	16.02	9 46 33.1	1 32.4	1.28 2039	328	10 26.3
	25	22 34 59.37	15.67	9 48 5.5	1 30.0	1.28 2367	352	10 18.2
	27	22 34 43.70	15.28	−9 49 35.5	1 27.6	1.28 2719	377	10 10.1
	29	22 34 28.42	14.88	9 51 3.1	1 24.9	1.28 3096	400	10 1.9
Okt.	1	22 34 13.54	14.45	9 52 28.0	1 22.1	1.28 3496	423	9 53.8
	3	22 33 59.09	13.98	9 53 50.1	1 19.1	1.28 3919	446	9 45.7
	5	22 33 45.11	13.49	9 55 9.2	1 16.1	1.28 4365	468	9 37.6
	7	22 33 31.62	12.98	9 56 25.3	1 13.0	1.28 4833	489	9 29.5
	9	22 33 18.64	12.45	−9 57 38.3	1 9.7	1.28 5322	509	9 21.5
	11	22 33 6.19	11.89	9 58 48.0	1 6.2	1.28 5831	528	9 13.4
	13	22 32 54.30	11.31	9 59 54.2	1 2.7	1.28 6359	547	9 5.4
	15	22 32 42.99	10.73	10 0 56.9	0 59.1	1.28 6906	566	8 57.3
	17	22 32 32.26	10.12	10 1 56.0	0 55.4	1.28 7472	583	8 49.3
	19	22 32 22.14	9.50	10 2 51.4	0 51.6	1.28 8055	600	8 41.2
	21	22 32 12.64	8.85	−10 3 43.0	0 47.7	1.28 8655	615	8 33.2
	23	22 32 3.79	8.20	10 4 30.7	0 43.7	1.28 9270	631	8 25.2
	25	22 31 55.59	7.52	10 5 14.4	0 39.6	1.28 9901	645	8 17.2
	27	22 31 48.07	6.83	10 5 54.0	0 35.4	1.29 0546	659	8 9.2
	29	22 31 41.24	6.12	10 6 29.4	0 31.2	1.29 1205	671	8 1.3
	31	22 31 35.12	5.40	10 7 0.6	0 26.9	1.29 1876	683	7 53.3
Nov.	2	22 31 29.72	4.66	−10 7 27.5	0 22.5	1.29 2559	694	7 45.4
	4	22 31 25.06	3.93	10 7 50.0	0 18.2	1.29 3253	703	7 37.4
	6	22 31 21.13	3.18	10 8 8.2	0 13.7	1.29 3956	712	7 29.5
	8	22 31 17.95	2.42	10 8 21.9	0 9.3	1.29 4668	719	7 21.6
	10	22 31 15.53	1.66	10 8 31.2	0 4.8	1.29 5387	727	7 13.7
	12	22 31 13.87	0.90	10 8 36.0	0 0.3	1.29 6114	733	7 5.8
	14	22 31 12.97	0.13	−10 8 36.3	0 4.2	1.29 6847	737	6 57.9
	16	22 31 12.84	0.64	10 8 32.1	0 8.8	1.29 7584	742	6 50.0
	18	22 31 13.48	1.40	10 8 23.3	0 13.3	1.29 8326	746	6 42.2
	20	22 31 14.88	2.18	10 8 10.0	0 17.9	1.29 9072	748	6 34.3
	22	22 31 17.06	2.96	10 7 52.1	0 22.4	1.29 9820	749	6 26.5
	24	22 31 20.02		10 7 29.7		1.30 0569		6 18.7

Tag	0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1921	h m s		° ′ ″	′ ″			h m
Nov. 24	22 31 20.02	3.73	−10 7 29.7	0 26.9	1.30 0569	750	6 18.7
26	22 31 23.75	4.51	10 7 2.8	0 31.5	1.30 1319	750	6 10.9
28	22 31 28.26	5.29	10 6 31.3	0 36.0	1.30 2069	749	6 3.1
30	22 31 33.55	6.06	10 5 55.3	0 40.5	1.30 2818	746	5 55.3
Dez. 2	22 31 39.61	6.82	10 5 14.8	0 45.0	1.30 3564	743	5 47.5
4	22 31 46.43	7.58	10 4 29.8	0 49.4	1.30 4307	739	5 39.8
6	22 31 54.01	8.33	−10 3 40.4	0 53.7	1.30 5046	735	5 32.1
8	22 32 2.34	9.07	10 2 46.7	0 58.0	1.30 5781	729	5 24.4
10	22 32 11.41	9.80	10 1 48.7	1 2.3	1.30 6510	722	5 16.7
12	22 32 21.21	10.52	10 0 46.4	1 6.5	1.30 7232	715	5 9.0
14	22 32 31.73	11.24	9 59 39.9	1 10.7	1.30 7947	707	5 1.3
16	22 32 42.97	11.94	9 58 29.2	1 14.7	1.30 8654	698	4 53.6
18	22 32 54.91	12.63	−9 57 14.5	1 18.8	1.30 9352	688	4 45.9
20	22 33 7.54	13.31	9 55 55.7	1 22.7	1.31 0040	678	4 38.3
22	22 33 20.85	13.97	9 54 33.0	1 26.7	1.31 0718	668	4 30.6
24	22 33 34.82	14.63	9 53 6.3	1 30.5	1.31 1386	655	4 23.0
26	22 33 49.45	15.28	9 51 35.8	1 34.2	1.31 2041	643	4 15.4
28	22 34 4.73	15.91	9 50 1.6	1 37.9	1.31 2684	630	4 7.8
30	22 34 20.64	16.52	−9 48 23.7	1 41.4	1.31 3314	616	4 0.2
32	22 34 37.16		9 46 42.3		1.31 3930		3 52.6

Tag	0h mittlere Zeit Greenwich Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1921	h m s	s	° ′ ″	′ ″			h m
Jan. −2	9 2 58.84	21.34	+16 52 52.8	1 34.1	1.46 6310	571	14 30.0
+2	9 2 37.50	22.62	16 54 26.9	1 39.4	1.46 5739	509	14 13.9
6	9 2 14.88	23.77	16 56 6.3	1 44.0	1.46 5230	443	13 57.8
10	9 1 51.11	24.74	16 57 50.3	1 47.9	1.46 4787	375	13 41.7
14	9 1 26.37	25.55	16 59 38.2	1 51.1	1.46 4412	305	13 25.5
18	9 1 0.82	26.19	17 1 29.3	1 53.5	1.46 4107	233	13 9.4
22	9 0 34.63	26.65	+17 3 22.8	1 55.2	1.46 3874	161	12 53.2
26	9 0 7.98	26.95	17 5 18.0	1 56.2	1.46 3713	86	12 37.1
30	8 59 41.03	27.08	17 7 14.2	1 56.5	1.46 3627	13	12 20.9
Febr. 3	8 59 13.95	27.04	17 9 10.7	1 56.0	1.46 3614	$\overline{62}$	12 4.7
7	8 58 46.91	26.79	17 11 6.7	1 54.7	1.46 3676	136	11 48.6
11	8 58 20.12	26.38	17 13 1.4	1 52.6	1.46 3812	209	11 32.4
15	8 57 53.74	25.79	+17 14 54.0	1 49.9	1.46 4021	281	11 16.2
19	8 57 27.95	25.04	17 16 43.9	1 46.6	1.46 4302	349	11 0.1
23	8 57 2.91	24.13	17 18 30.5	1 42.5	1.46 4651	417	10 43.9
27	8 56 38.78	23.09	17 20 13.0	1 38.0	1.46 5068	482	10 27.8
März 3	8 56 15.69	21.89	17 21 51.0	1 32.8	1.46 5550	544	10 11.7
7	8 55 53.80	20.54	17 23 23.8	1 27.0	1.46 6094	603	9 55.6
11	8 55 33.26	19.06	+17 24 50.8	1 20.8	1.46 6697	658	9 39.5
15	8 55 14.20	17.46	17 26 11.6	1 14.0	1.46 7355	710	9 23.5
19	8 54 56.74	15.76	17 27 25.6	1 7.1	1.46 8065	756	9 7.5
23	8 54 40.98	13.98	17 28 32.7	0 59.5	1.46 8821	799	8 51.5
27	8 54 27.00	12.12	17 29 32.2	0 51.8	1.46 9620	838	8 35.5
31	8 54 14.88	10.17	17 30 24.0	0 43.9	1.47 0458	873	8 19.6
April 4	8 54 4.71	8.16	+17 31 7.9	0 35.5	1.47 1331	902	8 3.7
8	8 53 56.55	6.09	17 31 43.4	0 27.1	1.47 2233	928	7 47.8
12	8 53 50.46	3.98	17 32 10.5	0 18.4	1.47 3161	948	7 32.0
16	8 53 46.48	1.86	17 32 28.9	0 9.8	1.47 4109	962	7 16.2
20	8 53 44.62	$\overline{0.27}$	17 32 38.7	0 1.2	1.47 5071	974	7 0.5
24	8 53 44.89	2.38	17 32 39.9	0 $\overline{7.5}$	1.47 6045	980	6 44.7
28	8 53 47.27	4.55	+17 32 32.4	0 16.3	1.47 7025	982	6 29.1
Mai 2	8 53 51.82	6.67	17 32 16.1	0 25.0	1.47 8007	979	6 13.4
6	8 53 58.49	8.78	17 31 51.1	0 33.6	1.47 8986	972	5 57.8
10	8 54 7.27	10.85	17 31 17.5	0 42.1	1.47 9958	960	5 42.2
14	8 54 18.12	12.88	17 30 35.4	0 50.4	1.48 0918	945	5 26.7
18	8 54 31.00	14.84	17 29 45.0	0 58.5	1.48 1863	924	5 11.2
22	8 54 45.84	16.76	+17 28 46.5	1 6.4	1.48 2787	901	4 55.7
26	8 55 2.60	18.60	17 27 40.1	1 14.0	1.48 3688	874	4 40.2
30	8 55 21.20	20.38	17 26 26.1	1 21.6	1.48 4562	844	4 24.8
Juni 3	8 55 41.58	22.11	17 25 4.5	1 28.7	1.48 5406	809	4 9.4
7	8 56 3.69	23.73	17 23 35.8	1 35.6	1.48 6215	772	3 54.1
11	8 56 27.42		17 22 0.2		1.48 6987		3 38.7

Tag		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
		0h mittlere Zeit Greenwich						
1921		h m s	s	° ′ ″	′ ″			h m
Juni	11	8 56 27.42	25.27	+17 22 0.2	1 42.1	1.48 6987	731	3 38.7
	15	8 56 52.69	26.70	17 20 18.1	1 48.3	1.48 7718	688	3 23.4
	19	8 57 19.39	28.04	17 18 29.8	1 54.0	1.48 8406	642	3 8.2
	23	8 57 47.43	29.29	17 16 35.8	1 59.6	1.48 9048	595	2 52.9
	27	8 58 16.72	30.43	17 14 36.2	2 4.5	1.48 9643	544	2 37.6
Juli	1	8 58 47.15	31.49	17 12 31.7	2 9.3	1.49 0187	492	2 22.4
	5	8 59 18.64	32.43	+17 10 22.4	2 13.6	1.49 0679	437	2 7.2
	9	8 59 51.07	33.23	17 8 8.8	2 17.3	1.49 1116	381	1 52.0
	13	9 0 24.30	33.93	17 5 51.5	2 20.5	1.49 1497	325	1 36.8
	17	9 0 58.23	34.51	17 3 31.0	2 23.4	1.49 1822	265	1 21.7
	21	9 1 32.74	34.98	17 1 7.6	2 25.9	1.49 2087	207	1 6.5
	25	9 2 7.72	35.34	16 58 41.7	2 27.7	1.49 2294	146	0 51.4
	29	9 2 43.06	35.58	+16 56 14.0	2 29.2	1.49 2440	86	0 36.3
Aug.	2	9 3 18.64	35.71	16 53 44.8	2 30.0	1.49 2526	24	0 21.1
	6	9 3 54.35	35.68	16 51 14.8	2 30.4	1.49 2550	38	0 6.0
	10	9 4 30.03	35.54	16 48 44.4	2 30.3	1.49 2512	99	23 47.0
	14	9 5 5.57	35.29	16 46 14.1	2 29.5	1.49 2413	160	23 31.9
	18	9 5 40.86	34.92	16 43 44.6	2 28.3	1.49 2253	221	23 16.8
	22	9 6 15.78	34.43	+16 41 16.3	2 26.6	1.49 2032	281	23 1.6
	26	9 6 50.21	33.83	16 38 49.7	2 24.4	1.49 1751	340	22 46.4
	30	9 7 24.04	33.11	16 36 25.3	2 21.5	1.49 1411	398	22 31.3
Sept.	3	9 7 57.15	32.26	16 34 3.8	2 18.1	1.49 1013	456	22 16.1
	7	9 8 29.41	31.28	16 31 45.7	2 14.2	1.49 0557	510	22 0.9
	11	9 9 0.69	30.20	16 29 31.5	2 9.8	1.49 0047	564	21 45.7
	15	9 9 30.89	29.02	+16 27 21.7	2 4.8	1.48 9483	614	21 30.5
	19	9 9 59.91	27.75	16 25 16.9	1 59.4	1.48 8869	664	21 15.2
	23	9 10 27.66	26.34	16 23 17.5	1 53.4	1.48 8205	710	21 0.0
	27	9 10 54.00	24.88	16 21 24.1	1 47.2	1.48 7495	755	20 44.7
Okt.	1	9 11 18.88	23.27	16 19 36.9	1 40.1	1.48 6740	796	20 29.3
	5	9 11 42.15	21.58	16 17 56.8	1 32.7	1.48 5944	833	20 14.0
	9	9 12 3.73	19.81	+16 16 24.1	1 25.0	1.48 5111	868	19 58.6
	13	9 12 23.54	17.97	16 14 59.1	1 16.9	1.48 4243	897	19 43.2
	17	9 12 41.51	16.07	16 13 42.2	1 8.5	1.48 3346	925	19 27.8
	21	9 12 57.58	14.10	16 12 33.7	0 59.7	1.48 2421	948	19 12.3
	25	9 13 11.68	12.06	16 11 34.0	0 50.5	1.48 1473	967	18 56.8
	29	9 13 23.74	9.97	16 10 43.5	0 41.2	1.48 0506	982	18 41.3
Nov.	2	9 13 33.71	7.84	+16 10 2.3	0 31.7	1.47 9524	991	18 25.7
	6	9 13 41.55	5.68	16 9 30.6	0 21.9	1.47 8533	996	18 10.1
	10	9 13 47.23	3.51	16 9 8.7	0 12.2	1.47 7537	996	17 54.4
	14	9 13 50.74	1.33	16 8 56.5	0 2.4	1.47 6541	992	17 38.8
	18	9 13 52.07	0.84	16 8 54.1	0 7.4	1.47 5549	982	17 23.1
	22	9 13 51.23		16 9 1.5		1.47 4567		17 7.3

Tag	0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1921	h m s	s	° ′ ″	′ ″			h m
Nov. 22	9 13 51.23	3.01	+16 9 1.5	0 17.2	1.47 4567	969	17 7.3
26	9 13 48.22	5.17	16 9 18.7	0 26.8	1.47 3598	948	16 51.5
30	9 13 43.05	7.28	16 9 45.5	0 36.3	1.47 2650	925	16 35.7
Dez. 4	9 13 35.77	9.36	16 10 21.8	0 45.6	1.47 1725	894	16 19.9
8	9 13 26.41	11.34	16 11 7.4	0 54.4	1.47 0831	860	16 4.0
12	9 13 15.07	13.26	16 12 1.8	1 3.0	1.46 9971	821	15 48.1
16	9 13 1.81	15.09	+16 13 4.8	1 11.1	1.46 9150	778	15 32.1
20	9 12 46.72	16.84	16 14 15.9	1 18.8	1.46 8372	730	15 16.1
24	9 12 29.88	18.49	16 15 34.7	1 26.0	1.46 7642	678	15 0.1
28	9 12 11.39	20.01	16 17 0.7	1 32.8	1.46 6964	622	14 44.1
32	9 11 51.38		16 18 33.5		1.46 6342		14 28.0

Mittleres Äquinoktium 1925.0

MERKUR 1921

Mittlere Zeit Greenwich	log *r*	Länge in d.Bahn	Red. a.d.Ekl.	Breite	Mittlere Zeit Greenwich	log *r*	Länge in d.Bahn	Red. a.d.Ekl.	Breite
1921					1921				
Jan. −1.0	9.6676	247° 6′	− 8′	−2° 21′	Juli 3.0	9.6647	272° 12′	−13′	−4° 55′
+4.0	9.6687	260 54	−12	−3 51	8.0	9.6540	286 34	−11	−6 0
9.0	9.6632	274 50	−13	−5 9	13.0	9.6365	301 54	− 7	−6 45
14.0	9.6512	289 21	−11	−6 10	18.0	9.6124	318 47	+ 1	−7 0
19.0	9.6325	304 56	− 5	−6 50	23.0	9.5822	337 56	+ 8	−6 34
24.0	9.6072	322 11	+ 2	−6 59	28.0	9.5482	0 9	+13	−5 8
29.0	9.5760	341 50	+10	−6 23	Aug. 2.0	9.5153	26 9	+ 9	−2 32
Febr. 3.0	9.5417	4 44	+13	−4 45	7.0	9.4926	55 49	− 4	+1 1
8.0	9.5099	31 28	+ 7	−1 55	12.0	9.4892	87 22	−13	+4 29
13.0	9.4903	61 40	− 6	+1 43	17.0	9.5069	117 52	− 8	+6 36
18.0	9.4911	93 16	−13	+5 1	22.0	9.5379	145 2	+ 3	+6 57
23.0	9.5120	123 15	− 6	+6 47	27.0	9.5723	168 21	+11	+6 0
28.0	9.5443	149 42	+ 5	+6 51	Sept. 1.0	9.6039	188 19	+13	+4 25
März 5.0	9.5786	172 19	+12	+5 44	6.0	9.6300	205 48	+ 9	+2 35
10.0	9.6093	191 46	+12	+4 5	11.0	9.6494	221 32	+ 3	+0 43
15.0	9.6341	208 52	+ 8	+2 14	16.0	9.6622	236 8	− 4	−1 3
20.0	9.6523	224 21	+ 1	+0 23	21.0	9.6684	250 7	− 9	−2 42
25.0	9.6639	238 48	− 5	−1 23	26.0	9.6680	263 55	−12	−4 9
30.0	9.6688	252 43	−10	−2 59	Okt. 1.0	9.6612	277 56	−13	−5 24
April 4.0	9.6672	266 31	−13	−4 24	6.0	9.6477	292 39	−10	−6 21
9.0	9.6591	280 38	−12	−5 36	11.0	9.6275	308 32	− 4	−6 55
14.0	9.6444	295 31	− 9	−6 30	16.0	9.6008	326 14	+ 4	−6 55
19.0	9.6230	311 42	− 3	−6 58	21.0	9.5687	346 32	+11	−6 7
24.0	9.5951	329 50	+ 5	−6 50	26.0	9.5342	10 14	+12	−4 14
29.0	9.5622	350 42	+12	−5 51	31.0	9.5042	37 49	+ 4	−1 10
Mai 4.0	9.5280	15 7	+12	−3 44	Nov. 5.0	9.4885	68 34	− 9	+2 31
9.0	9.4999	43 24	+ 2	−0 30	10.0	9.4942	100 3	−12	+5 34
14.0	9.4879	74 31	−10	+3 11	15.0	9.5185	129 22	− 4	+6 56
19.0	9.4976	105 48	−12	+5 57	20.0	9.5519	154 57	+ 7	+6 41
24.0	9.5244	134 28	− 1	+7 0	25.0	9.5857	176 49	+13	+5 25
29.0	9.5584	159 19	+ 9	+6 30	30.0	9.6153	195 41	+12	+3 41
Juni 3.0	9.5917	180 33	+13	+5 6	Dez. 5.0	9.6387	212 22	+ 6	+1 49
8.0	9.6202	198 57	+11	+3 20	10.0	9.6554	227 34	0	−0 1
13.0	9.6423	215 19	+ 5	+1 28	15.0	9.6655	241 52	− 6	−1 44
18.0	9.6578	230 19	− 1	−0 21	20.0	9.6690	255 43	−11	−3 19
23.0	9.6667	244 29	− 7	−2 3	25.0	9.6660	269 34	−13	−4 41
28.0	9.6690	258 19	−11	−3 35	30.0	9.6565	283 48	−12	−5 50
Juli 3.0	9.6647	272 12	−13	−4 55	35.0	9.6403	298 55	− 8	−6 38

$☊ = 47° 26'.8\,; \quad i = 7° 0'.21\,; \quad m = \frac{1}{6000000}$

Mittleres Äquinoktium 1925.0

Mittlere Zeit Greenwich	log r	Länge in der Bahn	Red. auf d. Eklipt.	Breite	log r	Länge in der Bahn	Red. auf d. Eklipt.	Breite
	VENUS 1921				**MARS 1921**			
1921								
Jan. −6.0	9.86030	21° 6.7	+2.8	−2° 46.6	0.14229	353° 32.0	+0.8	−1° 31.5
+4.0	9.85949	37 5.4	+2.9	−2 7.9	0.14382	359 48.2	+0.9	−1 24.1
14.0	9.85868	53 7.8	+2.2	−1 19.1	0.14574	6 1.4	+0.9	−1 15.7
24.0	9.85791	69 13.7	+0.7	−0 24.0	0.14804	12 10.9	+0.8	−1 6.5
Febr. 3.0	9.85724	85 22.8	−1.0	+0 33.1	0.15065	18 16.3	+0.8	−0 56.7
13.0	9.85675	101 34.6	−2.3	+1 27.8	0.15356	24 17.0	+0.7	−0 46.4
23.0	9.85645	117 48.2	−3.0	+2 15.6	0.15672	30 12.8	+0.6	−0 35.7
März 5.0	9.85638	134 2.5	−2.7	+2 52.7	0.16008	36 3.3	+0.4	−0 24.8
15.0	9.85655	150 16.6	−1.6	+3 16.0	0.16361	41 48.2	+0.2	−0 13.9
25.0	9.85694	166 29.5	0	+3 23.6	0.16725	47 27.5	0	−0 3.0
April 4.0	9.85751	182 40.3	+1.7	+3 15.1	0.17098	53 1.0	−0.1	+0 7.8
14.0	9.85823	198 48.1	+2.7	+2 51.2	0.17475	58 28.9	−0.3	+0 18.3
24.0	9.85903	214 52.5	+3.0	+2 13.9	0.17852	63 51.1	−0.4	+0 28.5
Mai 4.0	9.85985	230 53.3	+2.3	+1 26.4	0.18226	69 7.8	−0.6	+0 38.2
14.0	9.86064	246 50.5	+0.9	+0 32.4	0.18595	74 19.0	−0.7	+0 47.5
24.0	9.86132	262 44.5	−0.7	−0 23.9	0.18955	79 25.1	−0.8	+0 56.2
Juni 3.0	9.86184	278 35.8	−2.1	−1 18.2	0.19304	84 26.3	−0.8	+1 4.4
13.0	9.86218	294 25.3	−2.9	−2 6.5	0.19640	89 22.7	−0.9	+1 12.0
23.0	9.86229	310 13.7	−2.9	−2 45.2	0.19960	94 14.7	−0.9	+1 18.9
Juli 3.0	9.86218	326 2.1	−1.9	−3 11.4	0.20263	99 2.5	−0.9	+1 25.1
13.0	9.86186	341 51.5	−0.4	−3 23.1	0.20547	103 46.5	−0.8	+1 30.7
23.0	9.86133	357 42.8	+1.2	−3 19.4	0.20811	108 26.9	−0.8	+1 35.6
Aug. 2.0	9.86066	13 36.7	+2.5	−3 0.4	0.21054	113 4.0	−0.7	+1 39.9
12.0	9.85988	29 33.8	+3.0	−2 27.5	0.21275	117 38.2	−0.6	+1 43.4
22.0	9.85905	45 34.5	+2.6	−1 43.1	0.21472	122 9.8	−0.5	+1 46.3
Sept. 1.0	9.85825	61 38.8	+1.4	−0 50.5	0.21646	126 39.0	−0.4	+1 48.5
11.0	9.85752	77 46.5	−0.2	+0 6.3	0.21796	131 6.3	−0.2	+1 50.0
21.0	9.85694	93 57.2	−1.8	+1 2.7	0.21921	135 31.9	−0.1	+1 50.8
Okt. 1.0	9.85654	110 10.1	−2.8	+1 54.3	0.22020	139 56.1	0	+1 51.0
11.0	9.85636	126 24.3	−3.0	+2 36.9	0.22094	144 19.3	+0.2	+1 50.5
21.0	9.85642	142 38.8	−2.2	+3 6.9	0.22142	148 41.7	+0.3	+1 49.4
31.0	9.85671	158 52.5	−0.7	+3 22.1	0.22164	153 3.7	+0.4	+1 47.7
Nov. 10.0	9.85720	175 4.4	+0.9	+3 21.1	0.22161	157 25.6	+0.5	+1 45.3
20.0	9.85787	191 13.7	+2.3	+3 4.2	0.22131	161 47.7	+0.6	+1 42.3
30.0	9.85864	207 19.8	+3.0	+2 32.9	0.22076	166 10.3	+0.7	+1 38.8
Dez. 10.0	9.85947	223 22.3	+2.7	+1 49.8	0.21995	170 33.7	+0.8	+1 34.6
20.0	9.86028	239 21.2	+1.7	+0 58.3	0.21889	174 58.3	+0.8	+1 29.8
30.0	9.86102	255 16.7	+0.1	+0 2.6	0.21757	179 24.3	+0.9	+1 24.5
40.0	9.86162	271 9.1	−1.5	−0 53.2	0.21601	183 52.1	+0.9	+1 18.7

Venus: $\Omega = 76° \; 0'.9; \quad i = 3° \; 23'.63$; $m = \frac{1}{408000}$

Mars: $\Omega = 48° \; 59'.4; \quad i = 1° \; 51'.03$; $m = \frac{1}{3093500}$

Mittleres Äquinoktium 1925.0

Mittlere Zeit Greenwich	log R	Länge	log r	Länge in der Bahn	Red. auf d.Eklipt.	Breite	B_0
	ERDE 1921		JUPITER 1921				
1921		° ′		° ′ ″	″	° ′ ″	″
Jan. −6.0	9.99274	93 29.1	0.732738	158 41 30.9	−23.7	+1 7 19.9	+6.1
+4.0	9.99267	103 40.6	0.732903	159 27 39.6	−23.4	+1 7 52.1	+6.1
14.0	9.99283	113 52.0	0.733066	160 13 46.2	−23.0	+1 8 23.5	+6.0
24.0	9.99321	124 2.7	0.733225	160 59 50.7	−22.6	+1 8 54.1	+6.0
Febr. 3.0	9.99380	134 11.9	0.733380	161 45 53.2	−22.2	+1 9 24.0	+6.0
13.0	9.99457	144 19.3	0.733533	162 31 53.8	−21.8	+1 9 53.2	+6.0
23.0	9.99551	154 24.3	0.733682	163 17 52.5	−21.4	+1 10 21.6	+6.0
März 5.0	9.99658	164 26.5	0.733827	164 3 49.3	−21.0	+1 10 49.1	+6.0
15.0	9.99774	174 25.6	0.733970	164 49 44.3	−20.5	+1 11 15.9	+6.0
25.0	9.99897	184 21.4	0.734109	165 35 37.6	−20.0	+1 11 41.9	+6.0
April 4.0	0.00022	194 13.8	0.734244	166 21 29.1	−19.5	+1 12 7.1	+6.0
14.0	0.00146	204 2.8	0.734376	167 7 18.9	−19.0	+1 12 31.6	+5.9
24.0	0.00264	213 48.5	0.734505	167 53 7.1	−18.5	+1 12 55.3	+5.9
Mai 4.0	0.00375	223 31.2	0.734630	168 38 53.6	−18.0	+1 13 18.2	+5.9
14.0	0.00474	233 11.0	0.734751	169 24 38.6	−17.5	+1 13 40.3	+5.9
24.0	0.00559	242 48.3	0.734869	170 10 22.0	−16.9	+1 14 1.6	+5.9
Juni 3.0	0.00628	252 23.6	0.734984	170 56 4.0	−16.4	+1 14 22.1	+5.9
13.0	0.00678	261 57.4	0.735095	171 41 44.6	−15.8	+1 14 41.9	+5.9
23.0	0.00710	271 30.0	0.735202	172 27 23.8	−15.2	+1 15 0.8	+5.9
Juli 3.0	0.00721	281 2.1	0.735306	173 13 1.7	−14.6	+1 15 18.9	+5.9
13.0	0.00711	290 34.1	0.735406	173 58 38.3	−14.0	+1 15 36.2	+5.9
23.0	0.00682	300 6.7	0.735503	174 44 13.6	−13.4	+1 15 52.7	+5.9
Aug. 2.0	0.00633	309 40.3	0.735596	175 29 47.7	−12.8	+1 16 8.4	+5.9
12.0	0.00566	319 15.5	0.735686	176 15 20.7	−12.2	+1 16 23.3	+5.8
22.0	0.00483	328 52.6	0.735772	177 0 52.6	−11.5	+1 16 37.4	+5.8
Sept. 1.0	0.00385	338 32.2	0.735854	177 46 23.4	−10.9	+1 16 50.7	+5.8
11.0	0.00275	348 14.5	0.735932	178 31 53.2	−10.2	+1 17 3.1	+5.8
21.0	0.00158	357 59.9	0.736007	179 17 22.0	− 9.5	+1 17 14.7	+5.8
Okt. 1.0	0.00035	7 48.6	0.736079	180 2 49.9	− 8.9	+1 17 25.5	+5.7
11.0	9.99910	17 40.6	0.736146	180 48 16.9	− 8.2	+1 17 35.5	+5.7
21.0	9.99787	27 36.0	0.736210	181 33 43.1	− 7.4	+1 17 44.7	+5.7
31.0	9.99670	37 34.8	0.736271	182 19 8.5	− 6.8	+1 17 53.1	+5.7
Nov. 10.0	9.99562	47 36.6	0.736327	183 4 33.2	− 6.2	+1 18 0.7	+5.7
20.0	9.99467	57 41.3	0.736380	183 49 57.3	− 5.5	+1 18 7.4	+5.6
30.0	9.99388	67 48.4	0.736430	184 35 20.7	− 4.8	+1 18 13.3	+5.6
Dez. 10.0	9.99327	77 57.5	0.736475	185 20 43.5	− 4.1	+1 18 18.4	+5.6
20.0	9.99287	88 8.0	0.736517	186 6 5.7	− 3.4	+1 18 22.7	+5.6
30.0	9.99269	98 19.3	0.736555	186 51 27.5	− 2.7	+1 18 26.2	+5.6
40.0	[9.99273]	[108 30.8]	0.736589	187 36 48.8	− 2.0	+1 18 28.9	+5.5

Erde: $m = \frac{1}{329390}$

Jupiter: $☊ = 99°41'52''.2;\ i = 1°18'26''.4;\ m = \frac{1}{1047.35}$

Mittleres Äquinoktium 1925.0

SATURN 1921

Mittlere Zeit Greenwich	log r	Länge in der Bahn	Red. auf die Ekliptik	Breite	B_0
1920 Dez. 5.0	0.973018	168° 9′ 50.2″	−91.5″	+2° 2′ 28.2″	−11.9″
1921 Jan. 14.0	0.973572	169 32 30.4	−89.8	+2 4 29.4	−11.9
Febr. 23.0	0.974127	170 54 57.9	−87.9	+2 6 26.0	−11.8
April 4.0	0.974683	172 17 12.8	−85.7	+2 8 17.9	−11.8
Mai 14.0	0.975238	173 39 15.0	−83.4	+2 10 5.1	−11.7
Juni 23.0	0.975794	175 1 4.5	−80.9	+2 11 47.6	−11.7
Aug. 2.0	0.976349	176 22 41.3	−78.2	+2 13 25.3	−11.7
Sept. 11.0	0.976904	177 44 5.6	−75.4	+2 14 58.3	−11.6
Okt. 21.0	0.977458	179 5 17.6	−72.4	+2 16 26.6	−11.6
1921 Nov. 30.0	0.978010	180 26 17.2	−69.2	+2 17 50.1	−11.5
1922 Jan. 9.0	0.978561	181 47 4.5	−65.9	+2 19 8.8	−11.5

$\Omega = 113^\circ\ 0'\ 20''.6;\quad i = 2^\circ\ 29'\ 28''.7;\quad m = \frac{1}{3501.6}$

URANUS 1921

Mittlere Zeit Greenwich	log r	Länge in der Bahn	Red. auf die Ekliptik	Breite	B_0
1920 Dez. 5.0	1.302279	334° 49′ 8.0″	− 2.8″	−0° 45′ 47.6″	+ 1.6″
1921 Jan. 14.0	1.302320	335 14 48.6	− 2.7	−0 45 50.7	+ 1.6
Febr. 23.0	1.302360	335 40 29.0	− 2.6	−0 45 53.7	+ 1.6
April 4.0	1.302399	336 6 9.1	− 2.4	−0 45 56.5	+ 1.6
Mai 14.0	1.302437	336 31 48.9	− 2.3	−0 45 59.1	+ 1.7
Juni 23.0	1.302474	336 57 28.5	− 2.2	−0 46 1.6	+ 1.7
Aug. 2.0	1.302510	337 23 7.9	− 2.0	−0 46 4.0	+ 1.7
Sept. 11.0	1.302546	337 48 47.1	− 1.9	−0 46 6.1	+ 1.7
Okt. 21.0	1.302580	338 14 26.2	− 1.8	−0 46 8.1	+ 1.7
1921 Nov. 30.0	1.302614	338 40 5.1	− 1.6	−0 46 9.9	+ 1.7
1922 Jan. 9.0	1.302647	339 5 43.8	− 1.5	−0 46 11.6	+ 1.7

$\Omega = 73^\circ\ 37';\quad i = 0^\circ\ 46'\ 22'';\quad m = \frac{1}{22869}$

NEPTUN 1921

Mittlere Zeit Greenwich	log r	Länge in der Bahn	Red. auf die Ekliptik	Breite	B_0
1920 Dez. 5.0	1.478065	132° 4′ 35.8″	− 1.9″	+0° 2′ 5.8″	0.0″
1921 Jan. 14.0	1.478079	132 18 59.6	− 2.3	+0 2 32.6	0.0
Febr. 23.0	1.478092	132 33 23.2	− 2.7	+0 2 59.3	0.0
April 4.0	1.478105	132 47 46.7	− 3.2	+0 3 26.0	− 0.1
Mai 14.0	1.478118	133 2 10.2	− 3.6	+0 3 52.7	− 0.1
Juni 23.0	1.478131	133 16 33.6	− 4.0	+0 4 19.5	− 0.1
Aug. 2.0	1.478144	133 30 56.8	− 4.4	+0 4 46.2	− 0.2
Sept. 11.0	1.478156	133 45 19.8	− 4.8	+0 5 12.9	− 0.2
Okt. 21.0	1.478169	133 59 42.7	− 5.2	+0 5 39.6	− 0.3
1921 Nov. 30.0	1.478181	134 14 5.5	− 5.6	+0 6 6.2	− 0.3
1922 Jan. 9.0	1.478193	134 28 28.2	− 6.1	+0 6 32.9	− 0.3

$\Omega = 130^\circ\ 57';\quad i = 1^\circ\ 46'\ 37'';\quad m = \frac{1}{19314}$

Mittlere und Scheinbare Sternörter 1921

Reduktionsgrößen

Nr.	Name	Gr.	Spektrum	AR. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
				h m s	s		° ′ ″	″	
1	α Androm.	2.1	A	0 4 18.015	+3.0971	+ 107	+28 39 15.49	+19.881	− 161
2	β Cassiopeiae	2.2	F 5	0 4 57.117	+3.1879	+ 676	+58 42 50.55	+19.861	− 180
3	ε Phoenicis	3.8	K	0 5 24.279	+3.0498	+ 99	−46 11 0.41	+19.847	− 192
4	[22 Androm.]	5.2	F	0 6 12.478	+3.1105	+ 8	+45 37 57.41	+20.035	− 3
5	[$\varkappa^2$ Sculptoris]	5.5	K	0 7 33.860	+3.0494	+ 4	−28 14 23.78	+20.040	+ 6
6	[ϑ Sculptoris]	5.3	F 5 p	0 7 43.104	+3.0509	+ 104	−35 34 31.40	+20.158	+ 124
7	γ Pegasi	2.7	B 2	0 9 9.922	+3.0868	+ 1	+14 44 39.61	+20.015	− 14
8	[Br. 6]	6.5	A	0 11 43.529	+3.3644	+ 67	+76 30 42.68	+20.021	+ 2
9	ι Ceti	3.5	K	0 15 24.172	+3.0566	− 15	− 9 15 42.62	+19.968	− 32
10	ζ Tucanae	4.2	F 8	0 15 57.801	+3.1402	+2701	−65 20 20.92	+21.150	+1154
11	β Hydri	2.8	G	0 21 37.422	+3.1923	+6969	−77 41 56.89	+20.274	+ 318
12	α Phoenicis	2.3	K	0 22 22.887	+2.9691	+ 168	−42 44 6.43	+19.541	− 409
13	12 Ceti	6.1	K	0 26 0.429	+3.0618	+ 8	− 4 23 37.42	+19.908	− 8
14	[Ceti 49 G.]	5.3	A 5	0 26 25.748	+3.0010	− 25	−24 13 28.94	+19.921	+ 9
15	[λ^1 Phoenicis]	4.7	A 2	0 27 36.487	+2.8986	+ 123	−49 14 25.53	+19.912	+ 12
16	[ϰ Cassiop.]	4.2	B	0 28 29.795	+3.3922	+ 11	+62 29 45.49	+19.894	+ 3
17	ζ Cassiopeiae	3.8	B 2	0 32 33.624	+3.3305	+ 23	+53 27 44.30	+19.836	− 7
18	π Androm.	4.2	B 3	0 32 39.398	+3.1990	+ 17	+33 17 4.68	+19.842	0
19	[ε Androm.]	4.3	G 5	0 34 22.595	+3.1656	− 173	+28 52 58.75	+19.569	− 251
20	δ Androm.	3.2	K	0 35 5.927	+3.2030	+ 106	+30 25 44.13	+19.727	− 84
21	α Cassiopeiae	(2.2)	K	0 36 0.794	+3.3900	+ 60	+56 6 15.45	+19.769	− 29
22	β Ceti	2.2	K	0 39 37.480	+3.0122	+ 160	−18 25 12.18	+19.785	+ 39
23	[η Phoenicis]	4.3	A	0 39 48.577	+2.7051	+ 5	−57 53 47.06	+19.735	− 8
25	ο Cassiopeiae	4.7	B 2	0 40 18.895	+3.3332	+ 22	+47 51 7.87	+19.728	− 8
26	[λ^2 Sculptoris]	5.9	K 5	0 40 22.963	+2.9018	+ 178	−38 51 24.74	+19.849	+ 115
24	21 Cassiopeiae	5.8	A 2	0 40 24.115	+3.9154	− 57	+74 33 23.26	+19.712	− 23
27	ζ Androm.	4.1	K	0 43 8.832	+3.1757	− 75	+23 50 15.44	+19.612	− 79
28	[δ Piscium]	4.4	K 5	0 44 34.896	+3.1103	+ 52	+ 7 9 19.23	+19.621	− 46
31	[λ Hydri]	5.3	K 5	0 45 51.471	+2.0963	+ 399	−75 21 12.07	+19.619	− 26
29	[Br. 82]	5.7	F	0 45 55.120	+3.6196	+ 59	+63 49 3.87	+19.640	− 5
30	[19 Ceti]	5.4	F	0 46 10.182	+3.0045	− 159	−11 4 10.42	+19.417	− 223
32	γ Cassiopeiae	2.0	B p	0 51 55.619	+3.6025	+ 37	+60 17 21.25	+19.529	− 4
34	[λ^2 Tucanae]	5.3	G 5	0 52 3.311	+2.2447	− 33	−69 57 15.01	+19.485	− 45
33	μ Androm.	3.9	A 2	0 52 21.725	+3.3227	+ 129	+38 4 16.15	+19.560	+ 36
35	α Sculptoris	4.1	B 5	0 54 47.980	+2.8911	− 5	−29 47 3.50	+19.470	− 5
36	ε Piscium	4.2	G 5	0 58 50.463	+3.1117	− 55	+ 7 27 54.52	+19.419	+ 30
37	[26 Ceti]	6.2	A	0 59 45.009	+3.0865	+ 81	+ 0 56 37.09	+19.329	− 39
38	β Phoenicis	3.2	K	1 2 33.555	+2.6788	− 56	−47 8 30.22	+19.288	− 15
39	[ι Tucanae]	5.5	K	1 4 11.114	+2.3822	+ 100	−62 11 49.14	+19.260	− 4
40	[η Ceti]	3.3	K	1 4 36.893	+3.0169	+ 138	−10 36 2.65	+19.122	− 132

Nr.	Name	Gr.	Spektrum	AR. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
				h m s	s		° ' "	"	
42	β Androm.	2.1	M a	1 5 18.182	+3.3528	+ 151	+35 12 7.54	+19.125	−113
41	[44 H. Ceph.]	5.7	A	1 5 23.327	+5.0878	+ 333	+79 15 14.52	+19.244	+ 9
43	[τ Piscium]	4.3	K p	1 7 18.270	+3.2987	+ 56	+29 40 13.73	+19.146	− 41
44	[Sculpt. 102 G.]	6.0	A 2	1 9 7.023	+2.7634	+ 39	−38 16 29.54	+19.113	− 27
45	υ Piscium	4.6	A 2	1 15 7.167	+3.2920	+ 15	+26 50 57.11	+18.967	− 11
47	ϑ Ceti	3.4	K	1 20 4.444	+2.9981	− 55	− 8 35 26.30	+18.620	−214
46	[ψ Cassiop.]	5.0	K	1 20 19.803	+4.2060	+ 135	+67 43 5.72	+18.858	+ 33
48	δ Cassiopeiae	2.7	A 5	1 20 37.999	+3.9046	+ 398	+59 49 30.82	+18.774	− 43
49	[γ Phoenicis]	3.2	K 5	1 24 56.098	+2.6060	− 38	−43 43 21.88	+18.467	−218
50	η Piscium	3.6	G 5	1 27 15.160	+3.2067	+ 15	+14 56 20.18	+18.603	− 7
51	40 Cassiopeiae	5.5	K	1 32 10.187	+4.7437	− 19	+72 38 17.16	+18.439	− 6
53	[Hydri 14 G.]	6.3	G 2	1 33 6.728	+0.3725	− 70	−78 54 20.79	+18.286	−128
52	υ Persei	3.6	K	1 33 8.019	+3.6704	+ 64	+48 13 42.51	+18.300	−113
54	α Eridani	1	B 5	1 34 46.475	+2.2375	+ 122	−57 38 16.15	+18.318	− 38
55	43 Cassiopeiae	5.9	A p	1 36 27.993	+4.4092	+ 88	+67 38 38.97	+18.293	− 2
56	[ν Piscium]	4.5	K	1 37 19.084	+3.1201	− 17	+ 5 5 17.73	+18.267	+ 2
58	[Sculpt. 129 G.]	5.8	A	1 38 34.001	+2.6436	− 58	−37 13 49.77	+18.197	− 23
57	φ Persei	4.1	B p	1 38 41.917	+3.7471	+ 26	+50 17 28.75	+18.201	− 15
59	τ Ceti	3.4	K	1 40 23.869	+2.7869	−1195	−16 21 11.38	+19.004	+852
60	ο Piscium	4.3	G 5	1 41 13.162	+3.1654	+ 47	+ 8 45 38.24	+18.172	+ 50
61	Lac. ε Sculpt.	5.3	A	1 41 56.714	+2.8090	+ 99	−25 26 50.16	+18.020	− 75
62	ζ Ceti	3.5	K	1 47 33.606	+2.9605	+ 22	−10 43 29.52	+17.844	− 34
64	α Trianguli	3.5	F 5	1 48 34.381	+3.4145	+ 11	+29 11 40.34	+17.605	−233
63	ε Cassiopeiae	3.3	B 5	1 48 41.602	+4.2902	+ 50	+63 16 54.39	+17.817	− 15
65	ξ Piscium	4.6	K	1 49 27.827	+3.1041	+ 13	+ 2 47 52.73	+17.821	+ 19
66	β Arietis	2.7	A 5	1 50 16.298	+3.3095	+ 65	+20 25 20.73	+17.661	−109
67	ψ Phoenicis	4.5	M b	1 50 28.780	+2.4061	− 95	−46 41 21.75	+17.660	−101
68	χ Eridani	3.6	G 5	1 52 52.996	+2.3351	+ 712	−52 0 7.18	+17.933	+270
69	[η² Hydri]	4.7	K	1 52 55.841	+1.5172	+ 119	−68 2 8.27	+17.740	+ 79
72	α Hydri	2.9	F	1 56 16.800	+1.8901	+ 361	−61 57 14.39	+17.541	+ 21
71	υ Ceti	3.9	M a	1 56 16.960	+2.8266	+ 91	−21 27 36.35	+17.506	− 14
70	50 Cassiopeiae	4.0	A	1 56 39.297	+5.0726	− 91	+72 2 23.73	+17.529	+ 25
73	γ Androm.	2.1	K p	1 59 2.534	+3.6732	+ 43	+41 57 4.50	+17.348	− 54
74	α Arietis	2.0	K 2	2 2 42.920	+3.3771	+ 137	+23 5 22.40	+17.097	−143
75	β Trianguli	3.0	A 5	2 4 50.184	+3.5629	+ 122	+34 36 51.45	+17.104	− 40
76	55 Cassiopeiae	6.3	F	2 8 15.661	+4.6768	− 10	+66 9 18.31	+16.989	+ 3
77	[6 Persei]	5.7	G 5	2 8 20.438	+3.9767	+ 367	+50 41 58.43	+16.814	−169
78	Lac. μ Forn.	5.2	A	2 9 25.777	+2.6427	+ 13	−31 5 38.27	+16.935	+ 2
79	[γ Trianguli]	4.2	A	2 12 36.704	+3.5598	+ 37	+33 28 57.38	+16.738	− 44
80	67 Ceti	5.8	A	2 13 2.501	+2.9910	+ 55	− 6 47 8.31	+16.652	−110

Nr.	Name	Gr.	Spektrum	AR. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
82	[φ Eridani]	3.5	B 8	2h 13m 41s.186	+2s.1429	+ 81	−51° 52′ 39″.22	+16″.695	− 36
81	[ϑ Arietis]	5.7	A	2 13 43.642	+3.3330	− 10	+19 32 10.87	+16.727	− 2
83	[κ Fornacis]	5.4	F	2 18 55.657	+2.7451	+ 142	−24 10 29.29	+16.411	− 63
84	[λ Horologii]	5.5	F	2 22 41.329	+1.6766	− 95	−60 39 54.95	+16.147	−137
85	ξ² Ceti	4.2	A	2 23 57.368	+3.1872	+ 26	+ 8 6 23.95	+16.215	− 4
86	[κ Eridani]	4.1	B 5	2 24 5.294	+2.1979	− 2	−48 3 29.20	+16.190	− 23
88	[λ¹ Fornacis]	6.0	K	2 29 49.283	+2.4995	− 43	−34 59 49.47	+15.880	− 32
87	36 H. Cassiop.	5.4	K	2 30 29.163	+5.6499	− 60	+72 28 26.47	+15.898	+ 21
90	μ Hydri	5.5	K	2 33 18.583	−1.3317	+ 472	−79 27 15.14	+15.692	− 33
89	ν Arietis	5.6	A	2 34 19.568	+3.4021	− 9	+21 37 14.06	+15.654	− 16
91	δ Ceti	3.9	B 2	2 35 25.875	+3.0732	+ 7	− 0 0 41.74	+15.607	− 2
92	[Br. 366]	6.3	A	2 38 0.306	+5.1264	+ 25	+67 29 24.61	+15.438	− 29
95	[ε Hydri]	4.0	B 9	2 38 22.123	+0.9158	+ 168	−68 36 18.93	+15.452	+ 5
93	ϑ Persei	4.1	G	2 38 47.657	+4.0856	+ 346	+48 53 42.84	+15.335	− 88
94	[35 Arietis]	4.7	B 8	2 38 48.652	+3.5151	+ 4	+27 22 18.58	+15.415	− 7
96	[γ Ceti]	3.4	A	2 39 12.294	+3.1063	− 98	+ 2 54 12.91	+15.252	−148
97	π Ceti	4.0	B 5	2 40 21.717	+2.8543	− 8	−14 11 33.29	+15.326	− 9
98	μ Ceti	4.2	A 5	2 40 40.117	+3.2402	+ 189	+ 9 46 52.83	+15.287	− 31
99	[η Persei]	3.8	K	2 44 55.297	+4.3603	+ 28	+55 34 7.23	+15.065	− 11
100	41 Arietis	3.6	B 8	2 45 19.733	+3.5263	+ 51	+26 56 8.70	+14.939	−113
101	β Fornacis	4.4	K	2 45 47.023	+2.5103	+ 63	−32 44 13.56	+15.184	+159
102	τ² Eridani	4.8	K	2 47 27.280	+2.7206	− 39	−21 19 44.94	+14.899	− 29
103	τ Persei	4.0	G p	2 48 38.732	+4.2395	+ 3	+52 26 24.74	+14.858	− 2
104	η Eridani	3.7	K	2 52 34.013	+2.9297	+ 52	− 9 12 42.71	+14.408	−218
106	ϑ Eridani	2.9	A 2	2 55 15.841	+2.2724	− 67	−40 37 14.12	+14.492	+ 28
105	47 H. Cephei	5.8	K 5	2 55 30.994	+7.8753	− 113	+79 6 30.90	+14.470	+ 22
107	α Ceti	2.5	M a	2 58 8.846	+3.1338	− 9	+ 3 46 50.11	+14.212	− 76
108	γ Persei	3.0	G p	2 59 3.809	+4.3308	+ 2	+53 11 53.34	+14.228	− 4
109	ρ Persei	(3.8)	M b	3 0 6.448	+3.8371	+ 114	+38 32 6.60	+14.064	−103
110	μ Horologii	5.1	F	3 1 44.897	+1.4090	− 117	−60 2 37.89	+13.997	− 68
113	[ϑ Hydri]	5.7	A	3 2 4.841	+0.1062	+ 51	−72 12 39.18	+14.067	+ 22
111	β Persei	(2.2)	B 8	3 3 1.303	+3.8955	+ 7	+40 39 8.35	+13.985	− 1
112	[ι Persei]	4.1	G	3 3 21.361	+4.3173	+1296	+49 18 45.31	+13.883	− 82
114	δ Arietis	4.3	K	3 7 6.472	+3.4268	+ 106	+19 25 43.89	+13.724	− 4
117	12 Eridani	3.6	F 8	3 8 42.834	+2.5468	+ 241	−29 17 52.26	+14.269	+644
116	[94 Ceti]	5.2	F	3 8 44.462	+3.0609	+ 136	− 1 29 26.83	+13.562	− 61
115	48 H. Cephei	5.9	A	3 10 14.261	+7.5199	+ 183	+77 26 47.88	+13.483	− 44
118	[Horol. 38 G.]	6.1	N	3 10 32.854	+1.5153	− 5	−57 37 1.58	+13.501	− 6
119	[e Eridani]	4.2	G 5	3 16 46.397	+2.3958	+2787	−43 22 17.29	+13.833	+733
120	α Persei	1.9	F 5	3 18 40.409	+4.2718	+ 29	+49 34 52.18	+12.948	− 26

Nr.	Name	Gr.	Spektrum	AR. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
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121	o Tauri	3.6	G 5	3 20 33.568	+3.2262	− 44	+ 8 45 6.19	+12.771	− 76
122	2 H. Camelop.	4.4	B 9	3 22 39.464	+4.8391	− 1	+59 39 59.21	+12.712	+ 6
123	[ξ Tauri]	3.6	B 8	3 22 53.102	+3.2490	+ 39	+ 9 27 28.98	+12.646	− 45
124	[σ Persei]	4.8	K	3 24 59.797	+4.2200	+ 9	+47 43 25.34	+12.570	+ 23
125	*f* Tauri	4.1	K	3 26 30.515	+3.3095	+ 13	+12 40 0.51	+12.438	− 4
126	[κ Reticuli]	4.8	F 5	3 27 59.473	+1.0381	+514	−63 12 56.91	+12.703	+361
127	ε Eridani	3.5	K	3 29 12.456	+2.8258	−658	− 9 43 29.81	+12.270	+ 12
128	[Horol. 45 G.]	5.8	K	3 30 13.168	+1.7838	+ 48	−50 38 46.26	+12.268	+ 80
130	[*y* Eridani]	4.5	K	3 34 15.522	+2.1517	− 16	−40 31 59.32	+11.881	− 24
129	[Gr. 716]	5.4	M b	3 35 17.042	+5.1842	− 21	+62 57 43.84	+11.855	+ 22
131	δ Persei	3.0	B 5	3 37 17.540	+4.2622	+ 33	+47 32 10.21	+11.656	− 35
133	[δ Fornacis]	4.9	B 5	3 39 6.326	+2.3851	− 5	−32 11 24.47	+11.569	+ 7
132	[o Persei]	3.9	B 1	3 39 21.599	+3.7573	+ 8	+32 2 20.43	+11.527	− 17
135	[δ Eridani]	3.4	K	3 39 27.753	+2.8730	− 64	−10 1 47.86	+12.283	+747
134	ν Persei	3.9	F 5	3 39 49.231	+4.0687	− 6	+42 19 48.58	+11.506	− 5
136	[17 Tauri]	4.0	B 5	3 40 10.837	+3.5590	+ 17	+23 51 57.66	+11.441	− 44
137	[24 Eridani]	5.4	B 8	3 40 29.651	+3.0458	+ 1	− 1 24 41.19	+11.454	− 8
138	5 H. Camelop.	4.5	A	3 41 59.516	+6.2918	+ 42	+71 5 26.51	+11.314	− 40
139	η Tauri	3.0	B 5	3 42 47.093	+3.5628	+ 18	+23 51 42.76	+11.250	− 48
141	β Reticuli	3.8	K	3 43 12.210	+0.7443	+478	−65 3 19.57	+11.329	+ 62
140	τ^6 Eridani	4.1	F 8	3 43 26.881	+2.5799	−123	−23 28 56.07	+10.730	−519
142	[27 Tauri]	3.8	B 8 p	3 44 27.661	+3.5637	+ 14	+23 48 46.47	+11.131	− 45
143	*g* Eridani	4.1	K	3 46 29.851	+2.2448	− 40	−36 26 19.85	+10.976	− 52
146	γ Hydri	3.1	M a	3 48 26.762	−0.9562	+123	−74 28 53.40	+10.994	+109
144	ζ Persei	2.9	B 1	3 49 9.710	+3.7668	+ 11	+31 39 0.55	+10.821	− 11
145	9 H. Camelop.	5.5	K	3 50 23.272	+5.0978	− 3	+60 52 44.08	+10.725	− 16
147	ε Persei	3.0	B	3 52 32.818	+4.0200	+ 23	+39 46 58.27	+10.553	− 29
148	ξ Persei	4.0	Oe 5	3 53 50.069	+3.8881	+ 10	+35 33 53.96	+10.478	− 8
149	γ Eridani	3.0	K 5	3 54 20.553	+2.7983	+ 42	−13 43 56.83	+10.336	−112
150	λ Tauri	(3.5)	B 3	3 56 18.049	+3.3216	− 5	+12 16 5.20	+10.288	− 13
151	ν Tauri	3.9	A	3 58 57.117	+3.1898	+ 4	+ 5 46 15.67	+10.092	− 10
153	[Erid. 174 G.]	5.7	A 8	4 2 22.019	+2.4720	+148	−27 52 1.86	+ 9.951	+108
152	*c* Persei	4.0	B 3 p	4 2 55.189	+4.3483	+ 33	+47 30 10.42	+ 9.769	− 32
154	o^1 Eridani	4.1	F 5	4 8 0.488	+2.9277	+ 8	− 7 2 33.67	+ 9.492	+ 82
155	α Horologii	3.7	K	4 11 22.907	+1.9856	+ 20	−42 29 19.09	+ 8.929	−219
156	α Reticuli	3.2	G 5	4 13 24.161	+0.7665	+ 50	−62 40 16.66	+ 9.038	+ 47
157	[γ Doradus]	4.2	F 5	4 13 57.223	+1.5682	+ 88	−51 41 7.83	+ 9.119	+172
160	υ^4 Eridani	3.3	B 9	4 14 54.189	+2.2685	+ 37	−33 59 26.03	+ 8.861	− 12
158	[54 Persei]	5.3	G 5	4 15 16.597	+3.8912	− 20	+34 22 38.02	+ 8.838	− 6
159	[γ Tauri]	3.7	G	4 15 17.709	+3.4121	+ 82	+15 26 16.36	+ 8.814	− 29

Nr.	Name	Gr.	Spektrum	AR. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
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161	[Erid. 212 G.]	5.4	A	4 17 12.264	+2.6183	+ 36	−20 49 37.31	+8.708	+ 15
162	δ Tauri	3.8	K	4 18 22.586	+3.4578	+ 78	+17 21 29.90	+8.569	− 31
163	[η Reticuli]	5.3	G 5	4 21 1.852	+0.6433	+126	−63 34 25.61	+8.550	+160
166	[δ Mensae]	5.8	K	4 23 16.698	−4.1252	+ 98	−80 24 0.65	+8.282	+ 72
164	ε Tauri	3.5	K	4 24 0.081	+3.5013	+ 80	+19 0 22.88	+8.118	− 35
165	[1 Camel. seq.]	6.3	B 1	4 25 45.954	+4.7435	+ 7	+53 44 26.29	+8.012	0
167	[δ Caeli]	5.2	B 3	4 28 24.835	+1.8358	− 6	−45 7 22.29	+7.782	− 17
168	α Tauri	1	K 5	4 31 23.123	+3.4407	+ 49	+16 21 5.71	+7.370	−189
171	α Doradus	3.2	A p	4 32 17.352	+1.2957	+ 71	−55 12 27.71	+7.489	+ 3
169	ν Eridani	3.8	B 2	4 32 22.233	+2.9969	+ 2	− 3 30 46.91	+7.475	− 4
170	[υ^2 Eridani]	3.5	K	4 32 28.683	+2.3312	− 46	−30 43 23.63	+7.465	− 6
172	53 Eridani	3.9	K	4 34 33.676	+2.7464	− 54	−14 27 27.49	+7.136	−164
174	τ Tauri	4.2	A	4 37 30.079	+3.5992	+ 5	+22 48 23.51	+7.042	− 19
173	Gr. 848	6.2	A	4 38 10.468	+8.0314	+106	+75 48 0.11	+6.872	−134
175	4 Camelop.	5.5	A	4 41 24.922	+4.9888	+ 61	+56 37 6.61	+6.593	−146
176	[μ Eridani]	3.8	B 5	4 41 33.084	+2.9993	+ 13	− 3 23 54.56	+6.717	− 12
177	[μ Mensae]	5.5	A	4 43 50.802	−0.6101	+ 17	−71 4 33.83	+6.567	+ 28
178	9 Camelop.	4.3	B	4 46 11.079	+5.9487	+ 5	+66 12 37.85	+6.355	+ 10
179	[π^4 Orionis]	3.7	B 3	4 46 59.825	+3.1943	0	+ 5 28 15.56	+6.270	− 7
180	π^5 Orionis	3.7	B 3	4 50 8.096	+3.1241	− 2	+ 2 18 44.27	+6.013	− 3
181	ι Aurigae	2.7	K 2	4 51 50.783	+3.9049	+ 10	+33 2 32.31	+5.853	− 20
183	ε Aurigae	(3.2)	F 5 p	4 56 17.785	+4.3017	+ 6	+43 42 28.00	+5.487	− 14
182	10 Camelop.	4.1	G	4 56 23.013	+5.3284	− 1	+60 19 42.91	+5.482	− 12
184	ι Tauri	4.8	A 5	4 58 22.325	+3.5850	+ 53	+21 28 41.98	+5.283	− 43
185	η Aurigae	3.3	B 3	5 0 58.311	+4.2045	+ 33	+41 7 44.48	+5.035	− 71
186	ε Leporis	3.2	K 5	5 2 6.984	+2.5394	+ 20	−22 28 34.58	+4.941	− 68
187	[η^2 Pictoris]	5.1	K 5	5 2 55.015	+1.5500	+ 35	−49 41 3.05	+4.947	+ 6
188	β Eridani	2.7	A 2	5 3 57.917	+2.9491	− 59	− 5 11 15.27	+4.773	− 79
189	[ζ Doradus]	4.7	F 8	5 4 9.163	+1.0237	− 71	−57 34 49.18	+4.940	+103
190	[λ Eridani]	4.2	B 2	5 5 21.909	+2.8707	+ 3	− 8 51 15.92	+4.729	− 4
192	μ Aurigae	5.1	A 3	5 8 1.187	+4.1032	− 13	+38 23 32.17	+4.429	− 79
191	19 H. Camelop.	5.1	F 8	5 9 30.351	+9.8411	−313	+79 8 37.66	+4.541	+160
194	β Orionis	1	B 8 p	5 10 44.421	+2.8826	+ 2	− 8 17 30.92	+4.275	0
193	α Aurigae	1	G	5 10 51.012	+4.4296	+ 85	+45 55 8.95	+3.838	−428
195	[τ Orionis]	3.7	B 5	5 13 46.177	+2.9125	− 12	− 6 55 43.62	+4.009	− 7
196	ϑ Doradus	4.8	K	5 13 48.839	−0.0518	+ 14	−67 16 27.06	+4.051	+ 39
197	[ο Columbae]	4.9	K	5 14 38.053	+2.1625	+ 63	−34 58 17.77	+3.614	−328
198	[Columb. 12 G.]	6.0	A	5 16 14.755	+2.3920	+ 8	−27 26 57.45	+3.793	− 11
199	[ζ Pictoris]	5.6	F 5	5 17 25.741	+1.4696	+ 9	−50 41 25.29	+3.929	+227
200	[η Orion. m.]	3.3	B 1	5 20 30.274	+3.0164	+ 5	− 2 28 7.58	+3.438	+ 1

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201	γ Orionis	1.7	B 2	5 20 53.583	+3.2174	— 3	+ 6 16 44.87	+3.384	— 20
202	β Tauri	1.8	B 8	5 21 17.800	+3.7918	+ 25	+28 32 31.29	+3.192	—177
203	17 Camelop.	5.9	M a	5 22 42.210	+5.6608	— 3	+63 0 11.39	+3.247	— 1
204	[β Leporis]	2.9	G	5 24 51.625	+2.5709	+ 4	—20 49 17.82	+2.968	— 93
206	δ Orionis	2.2	B	5 27 58.181	+3.0645	0	— 0 21 23.68	+2.791	— 2
205	Gr. 966	6.6	F	5 29 9.074	+8.0120	— 8	+74 59 39.30	+2.710	+ 20
207	α Leporis	2.6	F	5 29 14.719	+2.6457	+ 2	—17 52 40.63	+2.684	+ 2
208	[φ¹ Orionis]	4.6	B	5 30 28.961	+3.2929	— 1	+ 9 26 13.65	+2.564	— 10
209	ι Orionis	2.8	Oe 5	5 31 34.094	+2.9347	+ 5	— 5 57 38.92	+2.476	— 4
210	ε Orionis	1.6	B	5 32 12.244	+3.0438	+ 1	— 1 15 4.89	+2.422	— 3
211	ζ Tauri	3.0	B 3	5 32 55.351	+3.5852	+ 6	+21 5 44.01	+2.337	— 26
212	β Doradus	3.7	F 5	5 32 56.245	+0.5177	— 13	—62 32 28.75	+2.359	— 2
213	[σ Orionis]	3.8	B	5 34 46.768	+3.0114	0	— 2 38 40.75	+2.201	— 1
214	[γ Mensae]	5.3	K	5 35 0.184	—2.3893	+280	—76 23 52.83	+2.481	+298
215	α Columbae	2.4	B 5 p	5 36 47.237	+2.1719	— 1	—34 6 56.08	+1.989	— 37
216	ο Aurigae	5.7	A	5 39 46.739	+4.6469	— 6	+49 47 35.78	+1.758	— 9
217	[γ Leporis]	3.8	F 8	5 41 10.209	+2.5017	—201	—22 28 24.06	+1.269	—376
218	[130 Tauri]	5.8	A	5 42 49.804	+3.4984	+ 4	+17 42 2.65	+1.494	— 6
219	ζ Leporis	3.5	A 2	5 43 22.520	+2.7181	— 12	—14 51 1.63	+1.451	— 2
220	κ Orionis	2.1	B	5 44 0.560	+2.8453	+ 4	— 9 41 48.17	+1.394	— 3
221	[ν Aurigae]	3.9	K	5 46 0.812	+4.1574	— 4	+39 7 36.54	+1.234	+ 11
222	[δ Leporis]	3.8	K	5 47 55.417	+2.5801	+165	—20 53 5.85	+0.403	—653
223	[β Columbae]	2.9	K	5 48 10.414	+2.1137	+ 34	—35 47 50.06	+1.438	+404
224	α Orionis	1	M a	5 50 53.663	+3.2481	+ 20	+ 7 23 36.66	+0.810	+ 13
226	[η Leporis]	3.6	F 5	5 52 48.388	+2.7326	— 27	—14 10 52.22	+0.769	+140
225	δ Aurigae	3.8	K	5 53 1.325	+4.9402	+100	+54 16 49.34	+0.488	—122
227	β Aurigae	1.9	A p	5 53 44.038	+4.4016	— 42	+44 56 27.19	+0.540	— 8
228	ϑ Aurigae	2.7	A p	5 54 20.053	+4.0920	+ 49	+37 12 30.32	+0.408	— 87
229	η Columbae	3.9	K	5 56 43.709	+1.8368	+ 22	—42 49 8.68	+0.253	— 34
230	[66 Orionis]	5.9	K	6 0 47.885	+3.1694	— 6	+ 4 9 50.82	—0.085	— 15
231	[Puppis 1 G.]	5.8	F 5 p	6 2 11.974	+1.7265	— 83	—45 2 8.59	+0.040	+232
232	ν Orionis	4.4	B 2	6 3 3.694	+3.4263	+ 11	+14 46 44.30	—0.299	— 31
233	[36 Camelop.]	5.6	K	6 4 54.188	+6.0362	— 5	+65 44 10.28	—0.458	— 29
235	[δ Pictoris]	5.0	B 1	6 8 45.521	+1.1669	— 22	—54 57 2.45	—0.773	— 7
236	η Geminor.	3.3	M a	6 10 6.555	+3.6224	— 42	+22 31 51.54	—0.897	— 13
234	22 H. Camelop.	4.6	A	6 10 8.651	+6.6167	+ 16	+69 20 59.98	—0.989	—102
239	[α Mensae]	5.1	K	6 12 35.439	—1.7900	+236	—74 43 35.88	—1.327	—226
237	[2 Lyncis]	4.4	A	6 12 39.265	+5.2963	— 7	+59 2 29.04	—1.077	+ 29
238	[κ Columbae]	4.4	K	6 13 44.468	+2.1341	— 6	—35 6 48.80	—1.127	+ 74
240	ζ Canis maj.	2.9	B 3	6 17 16.786	+2.3027	+ 2	—30 1 38.73	—1.506	+ 4

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241	μ Geminor.	2.9	M a	6h 18m 10s.909	+ 3s.6308	+ 48	+22° 33′ 19″.54	—1″.699	— 111
242	ψ¹ Aurigae	5.1	K	6 18 48.943	+ 4.6236	+ 9	+49 19 47.41	—1.647	— 3
243	β Canis maj.	2.0	B 1	6 19 13.221	+ 2.6418	— 4	—17 54 56.72	—1.677	+ 2
244	8 Monocer.	4.5	A 5	6 19 34.930	+ 3.1800	— 7	+ 4 38 2.53	—1.707	+ 4
245	α Argus	1	F	6 22 11.819	+ 1.3314	+ 16	—52 39 7.41	—1.927	+ 11
246	10 Monocer.	5.0	B 3	6 24 3.512	+ 2.9630	— 2	— 4 42 44.27	—2.095	+ 5
247	8 Lyncis	6.3	F	6 30 28.467	+ 5.4892	—284	+61 33 8.83	—2.935	— 277
249	ξ² Canis maj.	4.6	A	6 31 44.699	+ 2.5142	+ 5	—22 54 4.86	—2.754	+ 13
248	23 H.Camelop.	5.6	F 8	6 32 46.684	+10.2892	—283	+79 39 12.21	—3.479	— 622
251	γ Geminor.	2.0	A	6 33 8.929	+ 3.4671	+ 34	+16 28 4.38	—2.935	— 46
250	51 Aurigae	6.1	K	6 33 11.173	+ 4.1595	— 18	+39 27 42.71	—3.007	— 114
252	ν Argus	3.1	B 8	6 35 20.615	+ 1.8355	— 4	—43 7 34.17	—3.099	— 20
253	*S* Monocer.	(4.4)	Oe 5	6 36 37.685	+ 3.3052	+ 6	+ 9 58 11.78	—3.195	— 5
254	ε Geminor.	3.1	G 5	6 39 4.383	+ 3.6931	+ 3	+25 12 38.21	—3.415	— 15
256	ξ Geminor.	3.4	F 5	6 40 51.373	+ 3.3685	— 75	+12 58 54.75	—3.754	— 199
255	[ψ⁵ Aurigae]	5.5	F 5	6 41 2.860	+ 4.3281	+ 6	+43 39 26.75	—3.417	+ 154
257	α Canis maj.[1])	1	A	6 41 40.111	+ 2.6438	—370	—16 36 24.70	—4.837	—1212
258	18 Monocer.	4.7	K	6 43 44.548	+ 3.1298	— 2	+ 2 29 58.57	—3.823	— 20
259	[43 Camelop.]	5.1	B 5	6 45 11.726	+ 6.4850	+ 16	+68 58 56.14	—3.925	+ 3
264	[ζ Mensae]	5.7	A 2	6 46 38.775	— 4.9507	— 36	—80 43 53.86	—3.966	+ 85
262	α Pictoris	3.2	A 5	6 47 22.910	+ 0.6178	—100	—61 51 22.64	—3.859	+ 256
261	ϑ Geminor.	3.4	A 2	6 47 35.051	+ 3.9574	+ 7	+34 3 28.04	—4.187	— 55
263	[τ Argus]	2.9	K	6 47 58.534	+ 1.4888	+ 29	—50 31 12.63	—4.261	— 96
260	[24 H. Camel.]	4.6	K 5	6 48 34.025	+ 8.7899	+217	+77 4 51.39	—4.229	— 13
265	15 Lyncis	4.6	K	6 50 26.462	+ 5.2031	0	+58 31 41.06	—4.506	— 130
266	ϑ Canis maj.	4.1	K 5	6 50 31.176	+ 2.7876	— 94	—11 56 19.44	—4.396	— 13
267	[ι Volantis]	5.4	B 8	6 52 21.505	— 0.6792	— 4	—70 51 54.79	—4.528	+ 12
268	ε Canis maj.	1.5	B 1	6 55 31.221	+ 2.3576	0	—28 51 49.53	—4.807	+ 1
269	ζ Geminor.	(3.8)	G	6 59 25.491	+ 3.5605	0	+20 41 14.66	—5.142	— 3
270	[o² Canis maj.]	3.1	B 5 p	6 59 43.535	+ 2.5053	— 2	—23 43 1.33	—5.165	0
271	γ Canis maj.	4.0	B 5	7 0 11.090	+ 2.7152	+ 8	—15 30 56.42	—5.216	— 12
272	[Carinae 27 G.]	5.5	A	7 2 49.900	+ 1.1171	— 24	—56 37 45.78	—5.434	— 7
273	δ Canis maj.	1.9	F 8 p	7 5 10.711	+ 2.4390	— 8	—26 16 1.05	—5.621	+ 3
274	63 Aurigae	5.0	K	7 6 13.477	+ 4.1313	+ 45	+39 27 2.89	—5.712	0
275	[*J* Puppis]	4.5	F	7 10 18.422	+ 1.7095	—148	—46 37 36.60	—5.963	+ 90
276	[64 Aurigae]	6.0	A	7 12 32.854	+ 4.1774	— 3	+41 1 29.72	—6.237	+ 3
277	λ Geminor.	3.6	A 2	7 13 33.254	+ 3.4497	— 31	+16 41 2.36	—6.367	— 44
278	π Argus	2.5	K 5	7 14 21.113	+ 2.1185	— 14	—36 57 17.74	—6.387	+ 3
279	δ Geminor.	3.3	F	7 15 24.415	+ 3.5860	— 11	+22 7 44.56	—6.488	— 10
280	19 Lync. seq.	5.5	B 8	7 16 25.671	+ 4.9052	— 1	+55 25 54.59	—6.596	— 34

Nr.	Name	Gr.	Spektrum	AR. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
				h m s	s		° ′ ″	″	
281	δ Volantis	4.0	F 5	7 16 52.551	—0.0209	+ 4	—67 48 45.75	— 6.611	— 12
282	ι Geminor.	3.8	K	7 20 49.364	+3.7300	— 83	+27 57 22.83	— 7.009	— 85
283	[η Can. maj.]	2.4	B 5 p	7 20 58.202	+2.3730	— 5	—29 8 53.11	— 6.922	+ 13
284	Gr. 1308	5.8	G 8	7 22 40.443	+6.2672	— 7	+68 37 44.48	— 7.118	— 44
285	β Canis min.	2.9	B 8	7 22 52.063	+3.2553	— 31	+ 8 26 58.50	— 7.132	— 41
286	ρ Geminor.	4.4	F	7 24 1.970	+3.8627	+122	+31 56 34.60	— 7.004	+ 183
287	α Gemin.[2])	1.8,2.8	A	7 29 33.619	+3.8339	—129	+32 3 48.23	— 7.717	— 81
288	[Pupp. 108 G.]	4.7	F 8	7 30 40.253	+2.5675	— 39	—22 7 29.52	— 7.707	+ 18
289	25 Monocer.	5.3	F 5	7 33 21.055	+2.9836	— 47	— 3 56 1.03	— 7.921	+ 20
290	[*f* Puppis]	4.7	B 8	7 34 26.674	+2.2193	— 27	—34 47 24.26	— 8.012	+ 16
291	α Can. min.[3])	0.5	F 5	7 35 10.049	+3.1420	—469	+ 5 25 42.69	— 9.115	—1028
292	24 Lyncis	5.0	A 5	7 36 19.909	+5.0902	— 47	+58 53 48.47	— 8.233	— 53
293	[26 Monocer.]	4.0	K	7 37 28.359	+2.8663	— 57	— 9 21 57.36	— 8.292	— 21
294	κ Geminor.	3.4	G 5	7 39 40.862	+3.6258	— 15	+24 35 18.99	— 8.500	— 54
295	β Geminor.	1.1	K	7 40 29.073	+3.6752	—468	+28 13 5.43	— 8.563	— 53
296	π Geminor.	5.5	K	7 42 24.998	+3.8737	— 1	+33 36 38.87	— 8.693	— 31
297	ζ Volantis	3.9	K	7 42 47.926	—0.7262	+ 8	—72 24 59.69	— 8.685	+ 8
298	[Pupp. 205 G.]	5.7	F 8	7 48 6.836	+2.7787	— 41	—13 41 15.19	— 9.452	— 343
299	[26 Lyncis]	5.7	K	7 48 57.951	+4.3777	— 40	+47 46 14.57	— 9.182	— 6
301	[α Puppis]	3.7	G 5	7 49 30.044	+2.0620	— 18	—40 22 16.89	— 9.216	+ 1
300	Gr. 1374	5.5	K	7 50 46.142	+7.2322	— 30	+74 7 52.27	— 9.347	— 32
303	χ Argus	3.5	B 3	7 54 46.263	+1.5269	— 32	—52 46 11.33	— 9.600	+ 24
302	[53 Camelop.]	6.3	A	7 54 58.353	+5.1441	— 30	+60 32 30.99	— 9.661	— 21
304	[27 Monocer.]	5.2	K	7 55 47.441	+2.9993	— 27	— 3 27 47.42	— 9.693	+ 9
305	χ Geminor.	5.1	K	7 58 40.171	+3.6891	— 15	+28 1 1.01	— 9.967	— 46
306	ζ Argus	2.2	O d	8 0 48.396	+2.1077	— 34	—39 46 47.80	—10.073	+ 10
307	27 Lyncis	4.6	A 2	8 2 31.368	+4.5247	— 59	+51 44 8.71	—10.218	— 4
308	ι Navis	2.8	F 5	8 4 10.751	+2.5548	— 64	—24 4 32.87	—10.291	+ 47
309	γ Argus	2.1	O a p	8 7 5.841	+1.8488	— 12	—47 6 11.62	—10.560	— 4
310	Br. 1147	5.8	G	8 9 39.406	+7.6033	+ 58	+76 0 1.06	—10.727	+ 17
311	20 Navis	5.3	K	8 9 42.123	+2.7580	— 8	—15 32 57.84	—10.754	— 6
312	β Cancri	3.5	K 2	8 12 13.959	+3.2558	— 30	+ 9 25 47.87	—10.986	— 52
313	[*q* Puppis]	4.4	A 5	8 15 35.798	+2.2442	—104	—36 24 49.79	—11.091	+ 89
314	31 Lyncis	4.4	K	8 17 26.011	+4.1167	— 8	+43 26 33.58	—11.421	— 108
315	ε Argus	1.7	K p	8 20 53.687	+1.2343	— 32	—59 15 17.28	—11.546	+ 15
316	Br. 1197	3.6	A	8 21 42.845	+2.9992	— 41	— 3 38 52.11	—11.641	— 21
318	ϑ Chamael.	4.2	K	8 23 2.066	—1.7578	—457	—77 13 48.45	—11.684	+ 30
317	o Ursae maj.	3.3	G	8 23 42.876	+5.0062	—174	+60 59 1.24	—11.872	— 111
319	[β Volantis]	3.7	K	8 24 52.929	+0.6603	— 54	—65 52 23.20	—12.022	— 177
320	Gr. 1450	6.3	K p	8 27 47.164	+3.9075	— 83	+38 17 18.38	—12.219	— 170

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321	η Cancri	5.6	K	8h 28m 8s.601	+3s.4735	— 26	+20° 42′ 37″.79	—12″.124	— 50
322	[Gr. 1446]	6.4	G 5	8 30 57.598	+6.7323	— 36	+73 54 27.59	—12.373	—104
323	[Gr. 1460]	6.3	F 5	8 33 26.946	+4.4590	— 38	+52 59 22.57	—12.476	— 35
324	[e Velorum]	4.2	A 5	8 34 51.893	+2.1080	— 22	—42 42 43.91	—12.545	— 7
325	[6 Hydrae]	5.4	K	8 36 16.886	+2.8421	— 64	—12 11 43.14	—12.637	— 3
326	δ Cancri	3.9	K	8 40 11.902	+3.4131	— 9	+18 26 43.98	—13.134	—236
327	α Pyxidis	3.7	B 2	8 40 25.026	+2.4100	— 15	—32 54 3.24	—12.901	+ 12
328	ι Cancri	4.1	G 5	8 41 55.248	+3.6361	— 12	+29 2 59.40	—13.060	— 47
329	δ Argus	2.0	A	8 42 31.345	+1.6573	+ 22	—54 25 7.30	—13.146	— 93
330	[ε Hydrae]	3.3	F 8	8 42 35.652	+3.1794	— 126	+ 6 42 34.30	—13.108	— 50
331	[η Chamael.]	5.9	K	8 44 2.508	—1.9783	— 151	—78 40 37.17	—13.119	+ 34
332	[γ Pyxidis]	4.2	K 2	8 47 10.727	+2.5460	— 100	—27 24 57.92	—13.266	+ 93
333	[σ² Cancri med.]	5.6	G 5	8 49 25.738	+3.6663	+ 31	+30 52 46.16	—13.532	— 26
334	ζ Hydrae	3.1	K	8 51 13.166	+3.1736	— 64	+ 6 14 49.34	—13.609	+ 12
336	c Carinae	4.0	B 8	8 53 15.525	+1.3625	— 26	—60 20 31.99	—13.699	+ 52
335	ι Ursae maj.	2.9	A 5	8 53 48.433	+4.1199	— 437	+48 21 10.04	—14.033	—247
337	α Cancri	4.1	A 5	8 54 10.131	+3.2841	+ 26	+12 9 51.76	—13.844	— 35
338	[ρ Ursae maj.]	4.9	M a	8 55 26.656	+5.4468	— 34	+67 56 19.76	—13.875	+ 15
339	10 Ursae maj.	3.9	F 5	8 55 31.126	+3.9047	— 383	+42 5 47.25	—14.159	—264
340	[Gr. 1501]	5.9	A 2	8 58 13.745	+4.4116	— 8	+54 35 46.84	—14.062	+ 3
341	κ Ursae maj.	3.3	A	8 58 14.411	+4.1080	— 27	+47 28 11.76	—14.130	— 65
343	α Volantis	4.1	A 5	9 1 12.192	+0.9528	— 8	—66 4 50.12	—14.362	—114
342	[c Velorum]	3.9	K	9 1 25.656	+2.0664	— 70	—46 46 58.05	—14.290	— 28
344	σ² Ursae maj.	4.9	F 8	9 3 27.822	+5.3128	— 16	+67 27 23.81	—14.454	— 67
345	λ Argus	2.1	K 5	9 5 5.297	+2.2046	— 33	—43 6 46.95	—14.476	+ 9
346	[36 Lyncis]	5.3	B 8	9 8 38.649	+3.9345	— 18	+43 32 39.51	—14.741	— 42
347	ϑ Hydrae	3.9	A	9 10 15.337	+3.1233	+ 89	+ 2 38 53.89	—15.107	—313
348	β Argus	1.7	A	9 12 20.361	+0.6685	— 303	—69 23 29.88	—14.819	+ 97
349	[38 Lyncis]	3.9	A	9 13 56.057	+3.7417	— 18	+37 8 15.94	—15.139	—129
350	83 Cancri	6.7	G	9 14 34.510	+3.3523	— 80	+18 2 27.71	—15.182	—135
351	[ι Argus]	2.2	F	9 14 58.493	+1.6059	— 35	—58 56 36.11	—15.068	+ 2
352	40 Lyncis	3.2	K 5	9 16 14.850	+3.6618	— 178	+34 43 38.76	—15.131	+ 12
353	κ Argus	2.5	B 3	9 19 39.951	+1.8565	— 22	—54 40 22.17	—15.335	+ 2
354	α Hydrae	2.0	K 2	9 23 42.354	+2.9489	— 7	— 8 18 55.77	—15.530	+ 32
355	h Ursae maj.	3.5	F	9 25 19.133	+4.7576	+ 168	+63 24 29.99	—15.622	+ 28
356	[ε Antliae]	4.7	K 2	9 25 58.993	+2.4745	— 25	—35 36 19.20	—15.701	— 14
357	d Ursae maj.	4.5	G	9 27 31.513	+5.3493	— 120	+70 10 43.49	—15.695	+ 75
358	ϑ Ursae maj.	3.1	F 8	9 27 35.016	+4.0269	—1027	+52 2 17.58	—16.320	—546
359	ψ Argus	3.6	F 5	9 27 35.205	+2.3607	— 172	—40 7 12.89	—15.699	+ 74
361	[N Velorum]	3.0	K 5	9 28 49.288	+1.8230	— 36	—56 41 7.25	—15.839	+ 1

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360	10 Leon. min.	4.6	G 5	9h 29m 23s.383	+3s.6836	+ 13	+36° 44′ 56″.82	−15″.896	− 26
362	[H. Carinae]	5.8	K	9 31 1.352	+0.4651	− 61	−72 43 49.61	−15.974	− 17
363	[Gr. 1564]	5.9	K	9 35 30.674	+5.1776	−131	+69 35 53.19	−16.265	− 74
364	[κ Hydrae]	5.1	B 3	9 36 31.138	+2.8761	− 18	−13 58 23.38	−16.254	− 11
365	[ο Leonis]	3.8	F 5 p	9 36 56.190	+3.2046	− 94	+10 15 8.69	−16.302	− 37
366	ϑ Antliae	5.0	F 2	9 40 40.745	+2.6730	− 40	−27 24 25.98	−16.419	+ 35
367	ε Leonis	3.0	G p	9 41 22.244	+3.4102	− 31	+24 8 19.21	−16.506	− 17
369	υ Argus	3.0	F	9 45 7.676	+1.5009	− 21	−64 42 18.72	−16.674	− 1
368	υ Ursae maj.	3.8	F	9 45 23.193	+4.2876	−379	+59 24 40.24	−16.839	−154
370	6 Sextantis	6.2	A	9 47 15.219	+3.0240	+ 8	− 3 52 21.16	−16.806	− 30
371	[μ Leonis]	4.0	K	9 48 16.469	+3.4168	−162	+26 22 46.97	−16.881	− 56
373	[Hydrae 183 G.]	5.5	M a	9 51 8.645	+2.8300	− 24	−18 38 5.27	−17.026	− 66
372	Gr. 1586	6.3	K	9 51 21.309	+5.4192	−179	+73 15 21.97	−17.014	− 45
374	[19 Leon. min.]	5.2	F	9 52 51.175	+3.6840	−100	+41 25 57.03	−17.066	− 27
375	[φ Argus]	3.7	B 5	9 54 5.218	+2.1034	− 21	−54 11 28.79	−17.098	− 2
377	[η Antliae]	5.3	F 8	9 55 28.775	+2.5714	− 83	−35 30 44.51	−17.183	− 24
376	[12 Sextantis]	6.7	F	9 55 37.284	+3.1134	− 47	+ 3 45 47.08	−17.138	+ 27
378	π Leonis	4.9	M a	9 56 2.431	+3.1725	− 21	+ 8 25 25.80	−17.209	− 25
379	η Leonis	3.4	A p	10 3 1.692	+3.2739	− 2	+17 8 54.40	−17.497	− 6
380	α Leonis	1.3	B 8	10 4 10.015	+3.1978	−167	+12 21 13.74	−17.540	− 1
381	λ Hydrae	3.7	K	10 6 44.211	+2.9250	−134	−11 57 47.03	−17.734	− 87
382	q Velorum	3.9	A 2	10 11 24.962	+2.5135	−154	−41 43 48.22	−17.792	+ 45
385	[ω Argus]	3.4	B 8	10 11 51.831	+1.4327	− 28	−69 38 43.26	−17.855	0
384	ζ Leonis	3.4	F	10 12 18.004	+3.3413	+ 15	+23 48 41.64	−17.880	− 7
383	λ Ursae maj.	3.4	A	10 12 20.371	+3.6282	−148	+43 18 33.80	−17.923	− 49
386	μ Ursae maj.	3.0	K 5	10 17 37.774	+3.5836	− 70	+41 53 50.28	−18.055	+ 24
387	30 H. Urs. maj.	5.0	A	10 18 27.222	+4.3549	− 25	+65 57 59.72	−18.127	− 18
388	[25 Sextantis]	6.2	A	10 19 26.912	+3.0323	− 40	− 3 40 27.80	−18.149	− 2
389	μ Hydrae	3.9	K 5	10 22 16.155	+2.9012	− 85	−16 25 57.33	−18.332	− 82
391	J Carinae	4.1	F 5	10 22 49.774	+1.1946	− 67	−73 37 45.08	−18.287	− 17
390	31 Leon. min.	4.2	K	10 23 19.264	+3.4771	− 96	+37 6 45.14	−18.394	−106
392	Lac. α Antliae	4.2	K 5	10 23 32.090	+2.7428	− 62	−30 39 54.51	−18.286	+ 10
393	s Carinae	4.1	F	10 24 58.503	+2.1967	− 32	−58 20 8.62	−18.361	− 14
394	36 Ursae maj.	4.8	F	10 25 34.953	+3.8561	−216	+56 23 10.35	−18.401	− 33
395	9 H. Dracon.	4.9	K	10 28 25.338	+5.1672	− 96	+76 7 14.33	−18.470	− 4
396	[ρ Leonis]	3.8	B p	10 28 39.185	+3.1610	− 6	+ 9 42 48.83	−18.479	− 5
397	[p Carinae]	3.5	B 5 p	10 29 12.772	+2.1299	− 18	−61 16 42.94	−18.488	+ 5
398	[37 Ursae maj.]	5.2	F	10 30 5.115	+3.8827	+ 83	+57 29 24.13	−18.487	+ 36
399	[44 Hydrae]	5.6	K	10 30 15.369	+2.8525	− 2	−23 20 15.66	−18.507	+ 21
400	[p Velorum]	4.0	F 2	10 33 58.566	+2.5138	−183	−47 48 54.22	−18.683	− 34

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401	[γ Chamael.]	4.2	M a	10h 34m 32s.871	+0s.7314	−116	−78° 11′ 51″.98	−18″.638	+ 30
402	[x Velorum]	4.4	G	10 36 9.311	+2.3776	− 75	−55 11 30.03	−18.739	− 21
404	33 Sextantis	6.6	K	10 37 23.085	+3.0524	− 94	− 1 19 33.36	−18.882	−125
403	[35 H. Urs.maj.]	5.1	K	10 37 25.993	+4.3302	− 19	+69 29 23.60	−18.776	− 18
405	[41 Leon. min.]	5.2	A 2	10 39 7.450	+3.2665	− 81	+23 36 8.86	−18.797	+ 13
406	ϑ Argus	2.8	B	10 40 8.102	+2.1353	− 26	−63 58 48.86	−18.836	+ 4
407	42 Leon. min.	5.3	B 9	10 41 28.610	+3.3420	− 15	+31 5 55.77	−18.918	− 37
408	μ Argus	2.7	G 5	10 43 21.989	+2.5731	+ 49	−49 0 9.19	−19.000	− 65
411	[δ² Chamael.]	4.7	B 3	10 45 3.699	+0.5956	−120	−80 7 24.08	−18.974	+ 9
409	*l* Leonis	5.4	A	10 45 6.388	+3.1555	− 3	+10 57 48.78	−19.015	− 30
410	[ν Hydrae]	3.2	K	10 45 43.559	+2.9591	+ 66	−15 46 47.83	−18.807	+195
412	[46 Leon. min.]	3.9	K	10 48 53.933	+3.3621	+ 76	+34 38 28.08	−19.370	−282
414	[ι Antliae]	4.9	K	10 53 1.987	+2.7918	+ 62	−36 42 46.21	−19.332	−137
413	[Br. 1508]	6.4	G 2	10 53 40.745	+4.8713	−259	+78 11 37.90	−19.238	− 26
415	*i* Velorum	4.5	A 2	10 56 31.574	+2.7479	+ 20	−41 48 6.95	−19.285	− 4
416	β Ursae maj.	2.3	A	10 57 5.116	+3.6366	+101	+56 48 22.19	−19.268	+ 26
417	α Ursae maj.	1.8	K	10 58 51.962	+3.7228	−174	+62 10 39.97	−19.408	− 72
418	χ Leonis	4.8	F	11 0 56.594	+3.0961	−231	+ 7 45 48.24	−19.429	− 46
419	[χ Hydrae]	4.8	F 5	11 1 31.355	+2.8865	−154	−26 52 1.08	−19.403	− 7
420	ψ Ursae maj.	3.0	K	11 5 13.734	+3.3825	− 57	+44 55 38.52	−19.511	− 36
421	β Crateris	4.3	A 2	11 7 46.227	+2.9483	0	−22 23 39.27	−19.625	− 98
422	δ Leonis	2.4	A 2	11 9 54.581	+3.1943	+106	+20 57 24.31	−19.705	−136
423	ϑ Leonis	3.3	A	11 10 5.786	+3.1505	− 43	+15 51 41.78	−19.653	− 81
424	[Gr. 1757]	6.1	K	11 12 15.164	+3.3913	− 97	+49 54 27.22	−19.634	− 22
425	ν Ursae maj.	3.4	K	11 14 12.982	+3.2468	− 16	+33 31 31.96	−19.625	+ 22
426	δ Crateris	3.6	K	11 15 23.368	+2.9978	− 88	−14 21 3.05	−19.466	+200
427	σ Leonis	4.1	A	11 17 3.827	+3.0947	− 62	+ 6 27 45.01	−19.707	− 12
428	π Centauri	4.1	B 5	11 17 23.909	+2.7279	− 41	−54 3 28.50	−19.713	− 13
429	Gr. 1771	6.2	A	11 18 10.495	+3.5862	− 10	+64 45 47.07	−19.678	+ 35
430	[ι Leonis]	4.0	F 5	11 19 48.425	+3.1285	+106	+10 57 52.21	−19.821	− 84
431	[γ Crateris]	4.0	A 2	11 20 56.001	+2.9952	− 72	−17 14 59.51	−19.748	+ 7
432	[58 Ursae maj.]	6.1	F	11 26 14.999	+3.2551	− 43	+43 36 25.16	−19.757	+ 72
433	λ Draconis	3.6	M a	11 26 43.939	+3.5892	− 80	+69 46 2.02	−19.856	− 21
434	ξ Hydrae	3.6	G 5	11 29 6.758	+2.9463	−167	−31 25 13.35	−19.906	− 43
435	[C² Centauri]	5.5	A 5	11 32 5.441	+2.8987	+ 13	−47 12 12.20	−19.944	− 47
436	λ Centauri	3.3	B 9	11 32 7.752	+2.7545	− 58	−62 34 57.40	−19.914	− 17
437	υ Leonis	4.4	K	11 32 54.227	+3.0717	+ 1	− 0 23 15.07	−19.869	+ 36
438	[π Chamael.]	6.1	F	11 33 59.690	+2.4615	−279	−75 27 32.68	−19.921	− 5
439	[ο Hydrae]	4.8	B 8	11 36 17.149	+2.9755	− 30	−34 18 24.15	−19.937	+ 1
440	3 Draconis	5.4	M a	11 38 4.827	+3.3682	− 78	+67 10 56.24	−19.914	+ 40

Nr.	Name	Gr.	Spektrum	AR. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.001	Dekl. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
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442	[λ Muscae]	3.7	A 5	11 41 52.145	+2.8170	—152	—66 17 26.77	—19.962	+ 20
441	χ Ursae maj.	3.8	K	11 41 53.122	+3.1774	—133	+48 13 2.85	—19.963	+ 20
443	[Centauri 65 G.]	4.2	G	11 42 41.072	+2.8902	— 25	—60 44 21.12	—20.023	— 35
444	β Leonis	2.1	A 2	11 45 1.893	+3.0620	—341	+15 0 49.43	—20.120	—118
445	β Virginis	3.5	F 8	11 46 34.811	+3.1252	+494	+ 2 12 35.74	—20.287	—276
446	[B Centauri]	4.8	K p	11 47 11.264	+2.9876	—111	—44 44 2.73	—20.060	— 46
447	γ Ursae maj.	2.3	A	11 49 40.972	+3.1667	+107	+54 8 2.25	—20.023	+ 2
448	[ε Chamael.]	5.0	B 9	11 55 40.819	+2.9403	—161	—77 46 54.85	—20.050	— 9
449	[Centauri 88 G.]	5.5	F	11 59 33.649	+3.0971	+267	—41 59 30.22	—20.168	—123
450	ο Virginis	4.1	G 5	12 1 11.134	+3.0569	—147	+ 9 10 17.96	—20.007	+ 38
451	[Gr. 1852]	6.0	K	12 1 15.381	+3.0839	+438	+77 20 50.93	—20.141	— 96
452	δ Centauri	2.7	B 3 p	12 4 15.406	+3.0982	— 44	—50 16 56.80	—20.060	— 18
453	ε Corvi	3.0	K	12 6 3.521	+3.0820	— 51	—22 10 49.53	—20.027	+ 11
454	4 H. Draconis	5.0	A 5	12 8 30.979	+2.8404	+ 23	+78 3 18.68	—20.008	+ 23
455	[δ Crucis]	3.0	B 3	12 10 56.447	+3.1710	— 50	—58 18 34.67	—20.049	— 27
456	δ Ursae maj.	3.4	A 2	12 11 31.438	+2.9810	+136	+57 28 17.16	—20.017	+ 3
457	[γ Corvi]	2.4	B 8	12 11 44.446	+3.0826	—112	—17 6 12.18	—20.002	+ 17
458	[2 Can. ven.]	5.9	K 5 p	12 12 10.324	+3.0134	+ 26	+41 5 59.15	—20.062	— 45
459	β Chamael.	4.4	B 5	12 13 40.850	+3.4638	—143	—78 52 25.10	—19.998	+ 12
460	η Virginis	3.7	A	12 15 51.813	+3.0689	— 42	— 0 13 40.39	—20.020	— 23
461	[6 Can. ven.]	5.3	K	12 21 57.647	+2.9608	— 67	+39 27 24.42	—19.990	— 36
462	α Crucis md.	1.0	B 1	12 22 11.828	+3.3183	— 44	—62 39 42.45	—19.983	— 31
463	[Hydr. 323 G.]	5.7	A	12 22 41.587	+3.1551	— 14	—32 23 32.66	—19.996	— 49
464	[σ Centauri]	4.1	B 3	12 23 45.596	+3.2327	— 36	—49 47 35.86	—19.970	— 33
466	20 Comae	6.0	A	12 25 45.241	+3.0167	+ 26	+21 20 0.18	—19.958	— 39
465	δ Corvi	2.8	A	12 25 46.450	+3.1015	—145	—16 4 32.75	—20.061	—142
467	[74 Ursae maj.]	5.6	A 5	12 26 16.292	+2.8104	— 96	+58 50 24.88	—19.826	+ 88
468	[γ Crucis]	1.6	M b	12 26 46.410	+3.3122	+ 26	—56 40 15.82	—20.186	—278
469	[γ Muscae]	3.9	B 5	12 27 43.830	+3.5522	— 82	—71 41 48.66	—19.920	— 22
470	8 Can. ven.	4.3	G	12 29 59.703	+2.8544	—625	+41 47 11.40	—19.594	+280
472	κ Draconis	3.6	B 5 p	12 30 7.176	+2.5740	—117	+70 13 24.67	—19.865	+ 7
471	β Corvi	2.6	G 5	12 30 14.002	+3.1467	— 4	—22 57 36.20	—19.930	— 59
473	24 Comae seq.	5.1	K	12 31 10.113	+3.0112	+ 2	+18 48 42.39	—19.842	+ 19
474	α Muscae	2.8	B 3	12 32 27.422	+3.5510	— 55	—68 42 1.98	—19.876	— 32
475	[χ Virginis]	4.9	K	12 35 10.041	+3.0949	— 49	— 7 33 39.89	—19.847	— 37
476	γ Centauri	2.3	A	12 37 9.069	+3.2962	—205	—48 31 34.11	—19.802	— 20
477	[γ Virgin. m.]	3.5,3.5	F	12 37 39.374	+3.0391	—375	— 1 0 58.97	—19.770	+ 5
478	76 Ursae maj.	6.2	A	12 38 7.225	+2.6313	— 45	+63 8 47.77	—19.785	— 17
479	[Hydr. 330 G.]	5.9	K p	12 39 47.626	+3.1923	— 26	—27 53 26.53	—19.794	— 50
480	[β Muscae]	3.2	B 3	12 41 25.173	+3.6525	— 53	—67 40 33.33	—19.750	— 31

Nr.	Name	Gr.	Spektrum	AR. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.0001	Dekl. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
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481	β Crucis	1.4	B 1	12 43 5.596	+3.4868	— 59	—59 15 25.71	—19.719	— 27
482	*n* Centauri	4.4	A 5	12 49 3.247	+3.3133	+ 45	—39 44 58.64	—19.625	— 37
483	ε Ursae maj.	1.7	A p	12 50 33.519	+2.6464	+137	+56 23 18.13	—19.570	— 11
484	δ Virginis	3.4	M a	12 51 37.399	+3.0212	—315	+ 3 49 35.07	—19.602	— 63
485	12 Can. ven. sq.	2.8	A p	12 52 20.110	+2.8101	—199	+38 44 41.02	—19.475	+ 50
486	8 Draconis	5.2	F	12 52 20.140	+2.3960	— 15	+65 52 0.50	—19.558	— 34
487	[δ Muscae]	3.6	K 2	12 56 48.699	+4.0845	+529	—71 7 23.33	—19.469	— 36
488	ε Virginis	2.8	K	12 58 14.662	+2.9866	—185	+11 23 0.43	—19.383	+ 18
489	[ξ² Centauri]	4.3	B 3	13 2 17.363	+3.4890	— 35	—49 29 0.85	—19.339	— 30
490	ϑ Virginis	4.3	A	13 5 51.464	+3.1042	— 24	— 5 7 3.46	—19.263	— 39
491	[17 Can. ven.]	6.1	A	13 6 25.718	+2.7584	— 59	+38 55 6.08	—19.177	+ 32
492	43 Comae	4.2	G	13 8 11.303	+2.8018	—602	+28 16 41.71	—18.286	+879
493	[η Muscae]	5.0	B 8	13 9 52.664	+4.0369	— 33	—67 28 35.15	—19.150	— 30
494	[20 Can. ven.]	4.6	F	13 14 0.171	+2.6935	—107	+40 59 16.98	—19.001	+ 8
495	γ Hydrae	3.1	G 5	13 14 37.387	+3.2571	+ 51	—22 45 18.80	—19.045	— 53
496	ι Centauri	2.9	A 2	13 16 8.954	+3.3635	—293	—36 17 45.72	—19.041	— 92
497	ζ Urs. maj. pr.	2.2	A p	13 20 44.875	+2.4201	+144	+55 20 15.27	—18.839	— 25
498	α Virginis	1.1	B 2	13 21 1.713	+3.1578	— 28	—10 44 57.88	—18.839	— 33
499	Gr. 2001	6.2	M a	13 24 7.077	+1.5269	+ 35	+72 48 5.21	—18.725	— 15
500	69 H. Urs. maj.	5.5	A	13 25 33.282	+2.2055	—110	+60 21 12.59	—18.628	+ 37
501	ζ Virginis	3.3	A 2	13 30 39.974	+3.0554	—190	— 0 11 33.05	—18.462	+ 35
502	17 H. Can. ven.	4.9	F	13 31 16.252	+2.6802	+ 64	+37 35 12.11	—18.490	— 14
503	[Chamael. 49 G.]	6.4	A	13 32 24.059	+5.0637	— 49	—75 16 53.39	—18.451	— 14
504	ε Centauri	2.4	B 1	13 34 52.257	+3.7839	— 37	—53 3 55.29	—18.386	— 34
505	[Gr. 2029]	5.9	G 5	13 35 16.991	+1.4375	— 86	+71 38 38.58	—18.338	0
506	[*i* Centauri]	4.3	F 5	13 41 11.550	+3.4015	—371	—32 38 41.22	—18.279	—156
507	τ Bootis	4.5	F 5	13 43 30.479	+2.8509	—340	+17 50 59.74	—18.007	+ 29
509	η Ursae maj.	1.8	B 3	13 44 25.802	+2.3672	—119	+49 42 25.51	—18.020	— 20
508	[μ Centauri]	3.3	B 2 p	13 44 50.975	+3.6028	— 28	—42 4 50.15	—18.003	— 19
510	89 Virginis	5.2	K	13 45 34.545	+3.2559	— 69	—17 44 28.15	—17.994	— 38
511	[ι Draconis]	4.8	M a	13 49 7.497	+1.7524	0	+65 6 47.65	—17.818	— 2
512	ζ Centauri	2.6	B 2 p	13 50 36.104	+3.7284	— 70	—46 54 0.56	—17.817	— 61
513	η Bootis	2.8	G	13 50 55.393	+2.8570	— 42	+18 47 35.43	—18.107	—364
514	[Cent. 294 G.]	4.9	K	13 51 54.932	+4.3147	— 46	—63 18 0.13	—17.736	— 35
515	[47 Hydrae]	5.5	B 8	13 54 4.923	+3.3613	— 34	—24 35 14.18	—17.653	— 40
517	11 Bootis	6.3	A	13 57 35.604	+2.7216	— 57	+27 46 3.27	—17.456	+ 8
516	τ Virginis	4.2	A 2	13 57 37.480	+3.0519	+ 13	+ 1 55 34.26	—17.492	— 30
518	β Centauri	1	B 1	13 58 14.060	+4.2114	— 28	—59 59 33.80	—17.477	— 40
519	[π Hydrae]	3.4	K	14 1 52.061	+3.4106	+ 30	—26 18 9.01	—17.430	—153
520	ϑ Centauri	2.1	K	14 2 1.580	+3.5214	—439	—35 58 55.29	—17.801	—530

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521	α Draconis	3.4	A	14 2 14.968	+1.6235	— 83	+64 45 11.18	—17.244	+ 16
522	*d* Bootis	4.9	F 5	14 6 47.804	+2.7371	— 12	+25 27 55.06	—17.124	— 69
523	ϰ Virginis	4.2	K	14 8 40.731	+3.1974	+ 4	— 9 54 23.97	—16.834	+ 134
524	4 Ursae min.	5.0	K	14 9 7.887	—0.2732	— 113	+77 55 7.51	—16.915	+ 32
525	ι Virginis	4.0	F 5	14 11 52.151	+3.1430	— 14	— 5 37 27.21	—17.248	— 431
526	α Bootis	1	K	14 12 3.450	+2.7359	— 777	+19 35 35.18	—18.809	—2000
528	[ι Bootis]	4.6	A 5	14 13 22.143	+2.1258	— 159	+51 43 52.09	—16.660	+ 86
527	λ Bootis	4.0	A	14 13 22.901	+2.2823	— 177	+46 27 1.81	—16.593	+ 152
529	[υ Centauri]	4.4	B 5	14 14 47.585	+4.1682	— 47	—56 1 24.82	—16.717	— 39
530	[Circini 10 G.]	5.9	A 2 p	14 18 31.790	+4.9331	— 41	—67 50 13.86	—16.529	— 36
531	ϑ Bootis	3.9	F 8	14 22 30.476	+2.0430	— 256	+52 12 55.37	—16.698	— 404
532	[52 Hydrae]	5.1	B 8	14 23 32.453	+3.5065	— 29	—29 8 14.58	—16.271	— 30
533	[φ Virginis]	5.0	K	14 24 7.809	+3.0894	— 90	— 1 52 28.36	—16.218	— 7
534	ρ Bootis	3.7	K	14 28 25.541	+2.5862	— 75	+30 43 3.15	—15.873	+ 113
535	γ Bootis	2.9	F	14 28 53.854	+2.4168	— 93	+38 39 11.48	—15.817	+ 145
536	[Gr. 2125]	6.4	A	14 29 34.100	+1.6282	— 58	+60 34 24.02	—15.907	+ 18
537	η Centauri	2.5	B 3 p	14 30 28.983	+3.7988	— 36	—41 48 41.93	—15.914	— 36
538	α Centauri[4])	1	K 5; G	14 34 13.268	+4.0579	—4875	—60 30 36.76	—14.963	+ 713
540	[33 Bootis]	5.5	A	14 35 53.841	+2.2329	— 68	+44 44 41.75	—15.609	— 26
539	[α Circini]	3.3	F	14 36 6.115	+4.8155	— 320	—64 37 55.62	—15.810	— 238
541	[α Lupi]	2.4	B 2	14 36 40.007	+3.9774	— 20	—47 3 0.32	—15.578	— 36
543	ζ Bootis m.	3.6	A 2	14 37 22.534	+2.8642	+ 37	+14 3 59.05	—15.529	— 27
542	α Apodis	3.8	K 5	14 37 58.349	+7.3247	— 56	—78 42 40.09	—15.503	— 35
544	[c¹ Centauri]	4.1	K	14 38 49.137	+3.6607	— 61	—34 50 4.00	—15.620	— 198
545	μ Virginis	3.9	F 5	14 38 53.667	+3.1591	+ 69	— 5 18 56.09	—15.744	— 326
546	[*b* Lupi]	5.9	K	14 41 29.116	+4.1802	— 24	—52 3 0.52	—15.364	— 92
547	109 Virginis	3.7	A	14 42 15.201	+3.0315	— 75	+ 2 13 29.71	—15.267	— 39
548	α Librae	2.7	A 2	14 46 30.268	+3.3147	— 77	—15 42 51.67	—15.057	— 74
549	Gr. 2164	5.8	K	14 49 25.956	+1.5202	— 170	+59 36 52.26	—14.683	+ 129
550	β Ursae min.	2.0	K 5	14 50 55.156	—0.2000	— 78	+74 28 42.12	—14.718	+ 7
551	P. XIV, 221	6.0	A	14 52 29.453	+2.8310	— 10	+14 45 52.84	—14.649	— 18
552	β Lupi	2.7	B 2 p	14 53 20.931	+3.9174	— 51	—42 49 0.45	—14.640	— 60
553	[ϰ Centauri]	3.2	B 3	14 54 0.874	+3.8928	— 21	—41 47 17.39	—14.573	— 33
554	[2 H. Urs. min.]	4.8	M b	14 56 19.265	+0.9455	— 147	+66 14 48.84	—14.366	+ 34
555	β Bootis	3.3	G 5	14 58 58.213	+2.2600	— 36	+40 42 5.08	—14.280	— 43
556	γ Scorpii	3.4	M b	14 59 26.502	+3.5060	— 57	—24 58 20.96	—14.264	— 55
557	ψ Bootis	4.5	K	15 1 3.617	+2.5706	— 131	+27 15 17.61	—14.124	— 15
558	ζ Lupi	3.4	K	15 6 35.921	+4.2943	— 133	—51 47 58.61	—13.833	— 73
559	[ι Librae]	4.6	A p	15 7 42.853	+3.4151	— 32	—19 29 37.42	—13.737	— 47
562	[3 Serpentis]	5.5	G 2	15 11 15.654	+2.9808	— 12	+ 5 13 54.17	—13.468	— 7

Nr.	Name	Gr.	Spektrum	AR. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
561	[β Circini]	4.2	A 3	15h 11m 18s.954	+4s.6764	−130	−58° 30′ 26″.52	−13″.605	− 149
560	γ Triang. austr.	2.9	A	15 11 30.737	+5.5647	−101	−68 23 20.84	−13.481	− 37
563	δ Bootis	3.2	K	15 12 19.070	+2.4191	+ 73	+33 36 31.60	−13.514	− 122
564	β Librae	2.5	B 8	15 12 45.197	+3.2257	− 65	− 9 5 32.54	−13.391	− 27
565	1 H. Urs. min.	5.3	G	15 13 43.539	+0.6801	+386	+67 38 47.32	−13.696	− 395
566	φ1 Lupi	3.5	K 5	15 16 47.222	+3.7988	− 82	−35 58 33.05	−13.194	− 95
569	γ Ursae min.	3.0	A 2	15 20 50.509	−0.1126	− 32	+72 6 54.35	−12.812	+ 16
568	μ Bootis	4.1	F	15 21 30.337	+2.2662	−123	+37 39 12.59	−12.703	+ 81
570	[τ1 Serpentis]	5.5	M a	15 22 7.497	+2.7816	− 11	+15 42 17.56	−12.765	− 24
567	[κ1 Apodis]	5.9	B 5 p	15 22 52.249	+6.4815	+ 5	−73 7 2.14	−12.729	− 37
571	ι Draconis	3.2	K	15 23 10.205	+1.3323	− 5	+59 14 32.57	−12.657	+ 14
572	β Coron. bor.	3.7	F p	15 24 34.304	+2.4738	−131	+29 22 37.97	−12.500	+ 76
573	ν1 Bootis	4.8	K 5	15 28 5.478	+2.1548	+ 10	+41 6 5.95	−12.348	− 13
574	[ε Triang. austr.]	4.3	K	15 29 28.236	+5.4586	+ 29	−66 3 10.53	−12.321	− 82
576	[ϑ Coron. bor.]	4.1	B 5	15 29 44.609	+2.4187	− 17	+31 37 29.57	−12.247	− 26
575	γ Lupi	2.9	B 3	15 29 52.134	+3.9882	− 26	−40 54 8.49	−12.251	− 39
577	γ Librae	4.1	K,	15 31 6.243	+3.3528	+ 43	−14 31 37.26	−12.123	+ 3
578	α Coron. bor.	2.2	A	15 31 20.556	+2.5399	+ 93	+26 58 46.97	−12.208	− 98
579	[3 H. Scorpii]	3.9	K 2	15 32 13.414	+3.6365	− 11	−27 52 28.29	−12.059	− 11
580	[φ Bootis]	5.3	K	15 34 59.361	+2.1546	+ 58	+40 36 35.64	−11.802	+ 52
581	[γ Coron. bor.]	3.8	A	15 39 25.498	+2.5195	− 74	+26 32 41.97	−11.505	+ 34
582	α Serpentis	2.5	K	15 40 22.521	+2.9537	+ 91	+ 6 40 23.64	−11.428	+ 42
583	β Serpentis	3.4	A 2	15 42 32.452	+2.7684	+ 51	+15 40 5.18	−11.369	− 54
584	κ Serpentis	4.0	K 5	15 45 10.987	+2.7001	− 31	+18 23 4.53	−11.221	− 98
587	[12 H. Dracon.]	5.3	A 2	15 45 27.485	+0.9094	+ 55	+62 50 36.10	−11.165	− 61
585	μ Serpentis	3.3	A	15 45 29.718	+3.1288	− 59	− 3 11 22.14	−11.132	− 32
586	[χ Lupi]	4.1	B 9	15 45 55.994	+3.8055	− 15	−33 23 15.19	−11.099	− 30
590	ζ Ursae min.	4.3	A 2	15 46 50.776	−2.1940	+ 60	+78 2 17.51	−11.002	− 1
588	ε Serpentis	3.5	A	15 46 52.589	+2.9890	+ 84	+ 4 42 52.35	−10.940	+ 59
589	β Triang. austr.	2.9	F	15 48 10.059	+5.2635	−279	−63 11 18.02	−11.312	− 407
591	[γ Serpentis]	3.7	F 8	15 52 48.177	+2.7700	+212	+15 55 6.42	−11.857	−1295
592	[π Scorpii]	3.0	B 2 p	15 54 4.099	+3.6243	− 15	−25 53 16.50	−10.506	− 37
593	ε Coron. bor.	4.0	K	15 54 18.957	+2.4829	− 61	+27 6 20.72	−10.518	− 68
594	δ Scorpii	2.3	B	15 55 39.522	+3.5436	− 8	−22 23 53.11	−10.386	− 36
595	[Gr. 2296]	5.1	A 5	15 55 54.811	+1.4202	−187	+54 58 20.93	−10.220	+ 111
598	ϑ Draconis	3.8	F 8	16 0 24.401	+1.1215	−402	+58 46 33.14	− 9.652	+ 340
597	β Scorpii	2.6	B 1	16 0 50.402	+3.4847	− 7	−19 35 25.36	− 9.986	− 27
596	[δ Normae]	4.8	A 3 p	16 0 54.050	+4.2305	− 5	−44 57 37.16	− 9.948	+ 6
599	[ϑ Lupi]	4.4	B 3	16 1 23.924	+3.9320	− 29	−36 35 18.39	− 9.957	− 41
601	[φ Herculis]	4.0	A	16 6 16.789	+1.8895	− 23	+45 8 28.73	− 9.512	+ 31

Nr.	Name	Gr.	Spektrum	AR. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
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600	[ϰ Normae]	5.3	K	16 7 14.210	+4.7154	− 42	−54 25 40.23	−9.535	− 65
602	[δ Triang. austr.]	4.0	G	16 8 14.053	+5.4398	+ 7	−63 29 7.58	−9.418	− 26
603	δ Ophiuchi	2.8	M a	16 10 12.226	+3.1421	− 30	− 3 29 31.24	−9.390	−150
606	19 Ursae min.	5.8	B 8	16 13 3.339	−1.7420	− 4	+76 4 37.32	−9.006	+ 13
604	γ^2 Normae	4.2	K	16 13 55.220	+4.4769	−190	−49 57 47.10	−9.011	− 61
605	ε Ophiuchi	3.2	K	16 14 8.354	+3.1722	+ 53	− 4 30 3.84	−8.902	+ 31
607	[σ Scorpii]	3.1	B 1	16 16 22.979	+3.6425	− 11	−25 24 16.21	−8.790	− 33
608	τ Herculis	3.6	B 5	16 17 21.914	+1.8025	− 9	+46 30 2.94	−8.647	+ 32
609	γ Herculis	3.5	F	16 18 26.042	+2.6454	− 36	+19 20 15.78	−8.555	+ 40
612	[η Ursae min.]	5.1	F	16 19 47.634	−1.7822	−217	+75 56 16.76	−8.232	+256
610	[ζ Triang. austr.]	5.2	G	16 19 56.965	+6.4200	+366	−69 54 30.00	−8.392	+ 83
611	γ Apodis	3.9	K	16 21 17.146	+9.1236	−385	−78 43 20.77	−8.440	− 71
613	[ω Herculis]	4.7	A p	16 21 46.137	+2.7677	+ 28	+14 12 50.67	−8.399	− 68
614	[Gr. 2343]	5.8	A	16 22 41.579	+1.3106	+ 20	+55 23 3.29	−8.239	+ 18
615	η Draconis	2.7	G 5	16 22 55.048	+0.8081	− 28	+61 41 33.89	−8.179	+ 61
616	α Scorpii	1.2	M a p	16 24 33.613	+3.6750	− 7	−26 15 28.58	−8.137	− 28
618	β Herculis	2.6	K	16 26 49.383	+2.5783	− 69	+21 39 38.85	−7.948	− 21
617	[λ Ophiuchi]	3.7	A	16 26 55.645	+3.0242	− 23	+ 2 9 20.28	−8.009	− 90
619	*A* Draconis	5.0	B 8 p	16 28 7.793	−0.1275	− 51	+68 56 20.75	−7.787	+ 35
620	[τ Scorpii]	2.9	B	16 30 57.655	+3.7307	− 11	−28 3 12.28	−7.627	− 33
621	σ Herculis	4.1	A	16 31 33.341	+1.9337	− 6	+42 35 57.22	−7.507	+ 38
622	ζ Ophiuchi	2.6	B	16 32 48.407	+3.3016	+ 9	−10 24 29.63	−7.421	+ 22
623	[Gr. 2373]	6.5	G 5	16 34 1.072	−2.6165	−318	+77 36 16.54	−7.071	+275
624	[24 Scorpii]	5.2	K	16 37 0.086	+3.4671	− 19	−17 35 25.52	−7.104	− 2
626	η Herculis	3.3	K	16 40 11.228	+2.0564	+ 34	+39 4 18.42	−6.925	− 84
625	α Triang. austr.	1.9	K 2	16 40 17.062	+6.3292	+ 32	−68 53 5.07	−6.881	− 49
627	Gr. 2377	4.9	F 5	16 43 47.805	+1.1363	+ 29	+56 55 21.13	−6.485	+ 58
628	ε Scorpii	2.3	K	16 45 2.541	+3.8811	−501	−34 9 3.81	−6.694	−254
629	49 Herculis	6.5	A	16 48 29.002	+2.7307	+ 12	+15 6 20.59	−6.161	− 6
630	ζ^2 Scorpii	3.8	K 5	16 49 1.122	+4.2146	−134	−42 13 38.57	−6.347	−238
631	ζ Arae	3.0	K 5	16 52 4.561	+4.9551	− 30	−55 52 1.16	−5.902	− 48
632	[ε^1 Arae]	4.0	K 2	16 53 16.813	+4.7720	− 19	−53 2 26.51	−5.762	− 8
633	ϰ Ophiuchi	3.2	K	16 53 55.673	+2.8386	−198	+ 9 29 48.43	−5.712	− 13
634	ε Herculis	3.6	A	16 57 15.989	+2.2949	− 35	+31 2 30.71	−5.395	+ 24
635	[60 Herculis]	4.9	A 3	17 1 42.833	+2.7811	+ 34	+12 50 53.72	−5.058	− 15
636	[Gr. 2415]	6.4	A	17 5 12.075	+1.9563	− 29	+40 37 6.98	−4.775	− 28
637	η Ophiuchi	2.4	A	17 5 50.729	+3.4385	+ 23	−15 37 41.96	−4.602	+ 90
638	[η Scorpii]	3.4	F 2	17 6 29.487	+4.2926	+ 17	−43 8 11.34	−4.936	−298
639	ζ Draconis	3.0	B 5	17 8 33.283	+0.1694	− 29	+65 48 42.66	−4.440	+ 22
640	α Herculis	(3.0)	M b	17 11 2.664	+2.7347	− 8	+14 28 45.54	−4.220	+ 29

Nr.	Name	Gr.	Spektrum	AR. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
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641	δ Herculis	3.0	A	17 11 47.166	+2.4638	— 15	+24 55 53.20	—4.344	—159
643	π Herculis	3.1	K 2	17 12 17.697	+2.0891	— 21	+36 53 50.60	—4.141	+ 1
642	[ι Apodis]	5.7	A	17 13 16.531	+6.6751	— 14	—70 2 32.25	—4.085	— 27
644	ϑ Ophiuchi	3.2	B 3	17 17 9.341	+3.6822	— 7	—24 55 19.03	—3.750	— 25
645	β Arae	2.7	K 2	17 18 43.711	+4.9812	— 14	—55 27 24.91	—3.632	— 42
646	[*d* Ophiuchi]	4.5	F 5	17 22 18.438	+3.8283	+ 6	—29 47 48.61	—3.427	—145
647	[27 H. Ophiuchi]	4.5	F	17 22 26.329	+3.1827	— 58	— 5 1 4.64	—3.321	— 51
648	δ Arae	3.6	B 8	17 23 57.792	+5.4100	— 70	—60 37 10.65	—3.240	—101
650	[*x* Herculis]	6.0	A	17 24 38.565	+1.5896	+ 2	+48 19 32.09	—3.099	— 19
649	[υ Scorpii]	2.8	B 3	17 25 23.315	+4.0744	— 24	—37 14 3.10	—3.055	— 39
651	α Arae	2.8	B 3 p	17 25 43.891	+4.6334	— 38	—49 48 54.68	—3.080	— 94
652	λ Scorpii	1.7	B 2	17 28 14.476	+4.0704	— 14	—37 2 51.12	—2.801	— 32
653	β Draconis	2.7	G	17 28 38.817	+1.3547	— 15	+52 21 33.50	—2.724	+ 10
655	[ν^1 Draconis]	4.7	A 5	17 30 37.190	+1.1807	+176	+55 14 15.81	—2.512	+ 51
657	[ν^2 Draconis]	4.8	A 5	17 30 42.606	+1.1820	+181	+55 13 34.55	—2.503	+ 52
656	α Ophiuchi	2.1	A 5	17 31 15.987	+2.7839	+ 79	+12 36 59.19	—2.740	—233
654	ϑ Scorpii	1.9	F	17 31 38.352	+4.3072	0	—42 56 56.76	—2.492	— 18
659	[*f* Draconis]	5.2	K	17 32 16.625	—0.2447	— 32	+68 11 7.57	—2.285	+134
658	ξ Serpentis	3.5	A 5	17 33 3.699	+3.4336	— 34	—15 21 0.26	—2.415	— 65
660	[ϰ Scorpii]	2.5	B 2	17 37 1.214	+4.1476	— 15	—38 59 26.18	—2.033	— 26
663	ι Herculis	3.6	B 3	17 37 14.046	+1.6929	— 5	+46 2 51.36	—1.991	— 4
664	ω Draconis	4.9	F 5	17 37 24.686	—0.3537	+ 12	+68 47 40.58	—1.649	+323
662	[μ Arae]	5.6	K	17 37 52.156	+4.7597	— 29	—51 47 36.92	—2.141	—208
661	η Pavonis	3.5	K	17 37 58.487	+5.8830	— 22	—64 41 16.14	—1.979	— 56
665	β Ophiuchi	2.8	K	17 39 34.150	+2.9629	— 27	+ 4 35 56.87	—1.632	+153
666	[ι^1 Scorpii]	3.0	F 5 p	17 42 3.416	+4.1935	— 11	—40 5 51.73	—1.570	— 3
670	ψ Draconis	4.7	F 5	17 43 20.374	—1.0726	+ 30	+72 11 16.81	—1.723	—267
667	μ Herculis	3.3	G 5	17 43 21.933	+2.3469	—241	+27 45 57.51	—2.204	—751
668	[γ Ophiuchi]	3.7	A	17 43 55.849	+3.0075	— 16	+ 2 44 9.08	—1.482	— 77
669	[*G* Scorpii]	3.1	K 2	17 44 28.763	+4.0823	+ 42	—37 1 10.18	—1.330	+ 26
671	ξ Draconis	3.6	K	17 52 9.750	+1.0372	+120	+56 53 4.64	—0.609	+ 76
675	35 Draconis	5.1	F 5	17 52 58.990	—2.6895	+115	+76 58 27.18	—0.372	+241
672	ϑ Herculis	3.8	K	17 53 32.596	+2.0570	+ 4	+37 15 36.66	—0.560	+ 5
673	ν Ophiuchi	3.4	K	17 54 40.600	+3.3020	— 7	— 9 45 54.23	—0.583	—118
674	[ξ Herculis]	3.7	K	17 54 41.675	+2.3310	+ 66	+29 15 19.46	—0.490	— 25
676	γ Draconis	2.3	K 5	17 54 46.272	+1.3924	— 9	+51 29 51.38	—0.480	— 22
677	67 Ophiuchi	4.0	B 5 p	17 56 41.278	+3.0042	0	+ 2 56 3.26	—0.303	— 13
678	[Apodis 66 G.]	6.0	A	18 0 12.327	+8.3866	— 47	—75 53 44.82	—0.252	—270
679	γ Sagittarii	3.0	K	18 0 43.925	+3.8529	— 47	—30 25 35.12	—0.130	—194
680	72 Ophiuchi	3.6	A 2	18 3 36.232	+2.8437	— 42	+ 9 33 5.54	+0.394	+ 78

Nr.	Name	Gr.	Spektrum	AR. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.001	Dekl. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
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681	o Herculis	3.8	A	18 4 27.629	+2.3399	+ 2	+28 45 2.33	+0.390	0
682	μ Sagittarii	3.9	B 8 p	18 9 2.303	+3.5872	− 3	−21 4 50.94	+0.787	− 3
683	[η Sagittarii]	3.1	M b	18 12 16.845	+4.0588	− 117	−36 47 12.20	+0.911	−163
684	[Gr. 2533]	5.6	B 5	18 13 11.304	+1.8653	− 6	+42 7 53.75	+1.146	− 7
685	[36 Draconis]	5.0	F 5	18 13 26.515	+0.3453	+ 533	+64 22 13.20	+1.205	+ 30
687	[δ Sagittarii]	2.7	K	18 15 56.182	+3.8409	+ 27	−29 51 46.74	+1.361	− 32
686	[ξ Pavonis]	4.2	K 2	18 15 56.751	+5.5287	− 26	−61 31 52.72	+1.411	+ 17
688	η Serpentis	3.2	K	18 17 13.296	+3.1035	− 372	− 2 55 13.76	+0.806	−699
689	ε Sagittarii	1.9	A	18 18 55.696	+3.9824	− 30	−34 25 23.73	+1.527	−127
690	109 Herculis	3.9	K	18 20 19.869	+2.5561	+ 140	+21 43 57.78	+1.519	−257
691	α Telescopii	3.7	B 3	18 21 6.953	+4.4491	− 21	−46 0 47.90	+1.797	− 47
693	[φ Draconis]	4.3	A p	18 21 53.516	−0.8581	− 17	+71 17 45.70	+1.945	+ 33
695	χ Draconis	3.6	F 8	18 22 28.950	−1.0801	+1167	+72 41 56.11	+1.599	−364
694	*b* Draconis	5.1	A 2	18 22 45.428	+0.8765	− 45	+58 45 16.35	+2.046	+ 58
692	[λ Sagittarii]	2.8	K	18 23 5.699	+3.7023	− 37	−25 27 59.90	+1.829	−188
696	[2 H. Scuti]	4.8	A 3	18 24 41.678	+3.4190	− 3	−14 37 2.28	+2.158	+ 2
697	[ϑ Coron. austr.]	4.7	G 5	18 27 51.683	+4.2842	+ 14	−42 22 14.94	+2.407	− 24
700	[Gr. 2655]	6.1	K	18 33 34.434	−2.8848	− 10	+77 29 11.03	+2.924	− 3
698	ζ Pavonis	4.0	K	18 33 48.676	+7.0203	− 25	−71 29 53.57	+2.769	−178
699	α Lyrae	1	A	18 34 15.807	+2.0313	+ 176	+38 42 33.55	+3.267	+281
701	[Gr. 2640]	6.2	A	18 35 58.437	+0.1893	+ 19	+65 25 4.40	+3.218	+ 84
702	[5 H. Scuti]	5.1	G	18 39 13.115	+3.2674	+ 13	− 8 21 15.77	+3.423	+ 9
703	110 Herculis	4.1	F 5	18 42 15.683	+2.5811	− 12	+20 28 10.92	+3.335	−340
704	λ Pavonis	4.3	B 2	18 44 54.045	+5.5647	− 26	−62 16 47.66	+3.875	− 27
705	β Lyrae	(3.3)	B 2 p	18 47 9.782	+2.2148	+ 3	+33 16 12.59	+4.094	− 2
707	o Draconis	4.6	K	18 50 2.208	+0.8868	+ 105	+59 17 29.09	+4.366	+ 25
706	σ Sagittarii	2.1	B 3	18 50 22.037	+3.7205	+ 4	−26 23 46.27	+4.307	− 63
708	λ Telescopii	5.1	B 9	18 52 8.719	+4.8034	+ 3	−53 2 35.94	+4.536	+ 14
709	ϑ Serpent. pr.	4.5	A 5	18 52 17.531	+2.9823	+ 29	+ 4 5 58.76	+4.562	+ 28
711	*R* Lyrae	(4.5)	M b	18 52 55.891	+1.8262	+ 28	+43 50 28.55	+4.665	+ 76
710	[ξ Sagittarii]	3.6	K	18 53 1.052	+3.5793	+ 18	−21 12 42.30	+4.580	− 16
714	[υ Draconis]	5.0	K	18 55 22.255	−0.7266	+ 103	+71 11 30.59	+4.836	+ 40
713	γ Lyrae	3.2	A	18 55 59.278	+2.2437	− 4	+32 34 49.19	+4.847	− 2
712	[ε Aquilae]	4.0	K	18 56 2.185	+2.7221	− 42	+14 57 35.83	+4.772	− 80
715	[ζ Sagittarii]	2.7	A 2	18 57 35.166	+3.8178	− 21	−29 59 39.35	+4.986	+ 2
716	ζ Aquilae	3.0	A	19 1 46.728	+2.7569	− 7	+13 44 41.88	+5.238	−101
717	λ Aquilae	3.2	A	19 2 3.402	+3.1838	− 16	− 5 0 7.61	+5.275	− 87
718	α Coron. austr.	4.1	A 2	19 4 5.928	+4.0832	+ 59	−38 1 44.12	+5.424	−109
719	[ι Lyrae]	5.2	B 5	19 4 28.949	+2.1406	− 3	+35 58 31.77	+5.562	− 3
720	π Sagittarii	2.9	F 2	19 5 3.985	+3.5685	− 5	−21 9 1.53	+5.579	− 35

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721	[Pavonis 60 G.]	5.7	A 2	19h 9m 15s.990	+6s.0484	— 7	—66° 47' 57".28	+ 5".946	— 21
723	δ Draconis	3.0	K	19 12 32.462	+0.0201	+ 167	+67 31 21.09	+ 6.327	+ 88
722	[*d* Sagittarii]	5.2	K 5	19 13 0.824	+3.5108	— 12	—19 5 40.65	+ 6.270	— 9
724	ϑ Lyrae	4.3	K	19 13 37.529	+2.0816	— 7	+37 59 31.97	+ 6.328	— 1
725	ω Aquilae	5.4	A	19 14 6.494	+2.8158	— 3	+11 27 6.93	+ 6.382	+ 13
726	κ Cygni	3.8	K	19 15 16.668	+1.3874	+ 69	+53 13 19.65	+ 6.586	+ 119
729	τ Draconis	4.5	K	19 17 4.874	—1.1403	— 325	+73 12 33.29	+ 6.725	+ 110
727	[υ Sagittarii]	4.5	B 8 p	19 17 12.238	+3.4369	+ 1	—16 6 15.79	+ 6.624	— 2
728	α Sagittarii	4.0	B 8	19 18 24.894	+4.1599	+ 18	—40 45 56.99	+ 6.607	— 118
730	δ Aquilae	3.3	F	19 21 30.920	+3.0248	+ 168	+ 2 57 22.30	+ 7.062	+ 81
731	[Sagittar. 186 G.]	5.8	A	19 21 57.024	+3.7933	+ 7	—29 54 2.33	+ 6.969	— 47
734	[Gr. 2900]	6.4	A	19 26 30.166	—3.5851	+ 96	+79 26 44.39	+ 7.352	— 35
732	β Cygni	3.0	K p	19 27 32.100	+2.4190	— 2	+27 47 34.26	+ 7.464	— 8
733	ι Cygni	3.9	A 2	19 27 42.881	+1.5131	+ 22	+51 33 39.02	+ 7.611	+ 125
735	[ι Telescopii]	5.1	K	19 29 21.485	+4.4545	— 41	—48 16 14.87	+ 7.579	— 40
736	*h* Sagittarii	4.6	B 9	19 31 54.083	+3.6526	+ 46	—25 3 32.94	+ 7.802	— 22
737	[κ Aquilae]	5.0	B	19 32 38.543	+3.2283	+ 3	— 7 12 14.97	+ 7.884	0
738	ϑ Cygni	4.5	F 5	19 34 19.368	+1.6083	— 29	+50 2 14.82	+ 8.266	+ 247
740	[15 Cygni]	5.2	K	19 41 25.628	+2.1632	+ 59	+37 9 45.95	+ 8.620	+ 35
739	[ν Telescopii]	5.5	A 5	19 41 34.484	+4.9089	+ 86	—56 33 13.77	+ 8.460	— 137
741	γ Aquilae	2.7	K 2	19 42 30.230	+2.8520	+ 9	+10 25 11.25	+ 8.669	0
742	δ Cygni	2.8	A	19 42 30.368	+1.8756	+ 51	+44 56 13.90	+ 8.709	+ 39
743	δ Sagittae	3.8	M a p	19 43 51.904	+2.6749	+ 4	+18 20 18.46	+ 8.790	+ 13
744	[51 Aquilae]	5.8	A	19 46 26.075	+3.3021	— 21	—10 57 53.71	+ 9.020	+ 41
745	α Aquilae	1	A 5	19 46 55.725	+2.9270	+ 360	+ 8 39 31.33	+ 9.400	+ 383
747	ε Draconis	3.8	K	19 48 26.901	—0.1916	+ 156	+70 4 0.12	+ 9.165	+ 30
746	[η Aquilae]	(4.0)	G	19 48 26.951	+3.0567	+ 6	+ 0 48 6.64	+ 9.127	— 9
749	β Aquilae	3.7	K	19 51 25.962	+2.9467	+ 25	+ 6 12 30.50	+ 8.887	— 480
748	ε Pavonis	3.8	A	19 51 28.752	+6.9807	+ 147	—73 7 15.26	+ 9.238	— 132
750	ψ Cygni	5.0	A 3	19 53 35.267	+1.5514	— 43	+52 13 43.12	+ 9.502	— 31
751	ϑ¹ Sagittarii	4.3	B 3	19 54 35.802	+3.9078	— 12	—35 29 28.05	+ 9.575	— 36
752	γ Sagittae	3.6	K 5	19 55 14.608	+2.6675	+ 43	+19 16 36.03	+ 9.684	+ 24
753	[*c* Sagittarii]	4.6	M b	19 57 48.169	+3.6918	+ 21	—27 55 50.10	+ 9.873	+ 18
754	δ Pavonis	3.5	G 5	20 0 59.402	+5.9093	+1961	—66 23 6.72	+ 8.934	—1163
755	[ξ Telescopii]	5.2	M a	20 1 20.288	+4.6050	— 44	—53 6 29.90	+10.122	— 2
756	ϑ Aquilae	3.1	A	20 7 13.760	+3.0958	+ 22	— 1 3 24.43	+10.571	+ 5
757	ο¹ Cygni sq.	4.3	K p	20 11 8.637	+1.8892	+ 4	+46 30 3.79	+10.856	+ 1
758	[33 Cygni]	4.3	A 3	20 11 33.740	+1.3959	+ 74	+56 19 32.17	+10.970	+ 85
759	κ Cephei	4.3	B 9	20 11 34.566	—1.9767	+ 12	+77 28 26.93	+10.914	+ 27
760	24 Vulpeculae	5.7	K	20 13 24.251	+2.5670	+ 12	+24 25 36.78	+11.001	— 19

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761	α² Capricorni	3.6	K	20 13 40.375	+3.3300	+ 40	−12 47 26.32	+11.051	+ 11
762	[β Capricorni]	3.1	G p	20 16 34.452	+3.3720	+ 23	−15 1 54.63	+11.257	+ 6
763	[χ¹ Sagittarii]	5.8	A	20 17 5.992	+4.0813	+ 37	−42 17 59.03	+11.193	− 96
765	γ Cygni	2.3	F 8 p	20 19 23.551	+2.1528	+ 4	+40 0 11.22	+11.454	0
764	α Pavonis	1.9	B 3	20 19 24.454	+4.7618	+ 11	−56 59 21.82	+11.370	− 85
766	[ρ Capricorni]	5.0	F	20 24 21.386	+3.4238	− 14	−18 4 32.79	+11.792	− 16
767	ϑ Cephei	4.1	A	20 28 15.531	+1.0105	+ 62	+62 43 41.59	+12.067	− 14
768	ε Delphini	3.9	B 5	20 29 26.329	+2.8661	+ 5	+11 2 1.85	+12.139	− 25
769	α Jndi	3.0	K	20 32 0.950	+4.2280	+ 33	−47 34 5.15	+12.402	+ 60
770	73 Draconis	5.3	A 3	20 32 34.057	−0.7633	+ 15	+74 41 2.81	+12.369	− 12
771	β Delphini	3.5	F 5	20 33 50.665	+2.8130	+ 74	+14 19 10.00	+12.432	− 36
772	[χ Delphini]	5.1	G 2	20 35 17.548	+2.9139	+ 212	+ 9 48 25.44	+12.585	+ 18
773	υ Capricorni	5.5	M a	20 35 33.288	+3.4174	− 17	−18 25 3.95	+12.569	− 16
774	α Delphini	3.7	B 8	20 35 58.121	+2.7866	+ 45	+15 37 56.89	+12.607	− 6
775	β Pavonis	3.3	A 5	20 37 51.472	+5.4370	− 71	−66 29 18.51	+12.742	+ 2
776	[η Jndi]	4.8	F	20 38 14.710	+4.4168	+ 157	−52 12 15.85	+12.694	− 73
777	α Cygni	1.3	A 2	20 38 44.296	+2.0448	+ 4	+44 59 50.53	+12.799	− 1
778	[δ Delphini]	4.2	A 2	20 39 46.244	+2.8008	− 14	+14 47 25.02	+12.822	− 48
779	[ψ Capricorni]	4.2	F 8	20 41 25.260	+3.5553	− 44	−25 33 20.92	+12.823	− 157
780	ε Cygni	2.4	K	20 43 0.854	+2.4272	+ 290	+33 40 25.05	+13.413	+ 327
782	[6 H. Cephei]	4.5	G	20 43 23.506	+1.4897	− 87	+57 17 44.72	+12.876	− 234
781	ε Aquarii	3.6	A	20 43 24.048	+3.2488	+ 17	− 9 47 8.92	+13.083	− 28
783	η Cephei	3.5	K	20 43 41.124	+1.2238	+ 132	+61 31 53.55	+13.948	+ 818
784	λ Cygni	4.6	B 5	20 44 19.835	+2.3360	+ 5	+36 11 59.17	+13.172	0
785	β Jndi	3.6	K	20 48 38.736	+4.7053	0	−58 45 11.87	+13.427	− 27
786	32 Vulpeculae	5.3	K	20 51 11.550	+2.5563	− 4	+27 45 23.18	+13.620	+ 1
788	ν Cygni	3.9	A	20 54 13.629	+2.2358	+ 9	+40 51 44.26	+13.795	− 17
787	[α Octantis]	5.5	F 5	20 55 11.822	+7.3602	− 16	−77 19 35.65	+13.519	− 355
789	[11 Aquarii]	6.4	F 8	20 56 24.294	+3.1596	+ 23	− 5 2 10.57	+13.817	− 133
790	ζ Microscopii	5.4	F	20 57 55.327	+3.8396	− 36	−38 56 27.51	+13.924	− 122
792	[ξ Cygni]	3.9	K 5	21 2 3.407	+2.1818	+ 12	+43 36 43.16	+14.298	− 3
791	[A Capricorni]	4.6	M a	21 2 30.575	+3.5120	− 30	−25 19 21.26	+14.282	− 47
793	61 Cygni pr.	5.4	K 5	21 3 21.262	+2.6864	+3505	+38 21 36.78	+17.634	+3254
794	ν Aquarii	4.4	K	21 5 17.568	+3.2700	+ 62	−11 41 32.49	+14.488	− 9
795	Br. 2777	6.0	A	21 7 6.415	−1.1549	+ 74	+77 48 22.80	+14.643	+ 36
797	ζ Cygni	3.1	K	21 9 34.384	+2.5524	− 1	+29 54 7.83	+14.695	− 59
798	[Gr. 3415]	5.8	B 1	21 9 47.605	+1.5280	− 6	+59 39 40.52	+14.765	− 2
796	[Jndi 23 G.]	5.9	A 5	21 10 7.664	+4.2942	− 19	−53 35 28.65	+14.741	− 46
799	[τ Cygni]	3.8	F	21 11 38.194	+2.3939	+ 137	+37 42 27.25	+15.311	+ 435
800	α Equulei	3.9	A 8 p	21 11 52.519	+2.9995	+ 38	+ 4 55 13.56	+14.802	− 87

Nr.	Name	Gr.	Spektrum	AR. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
				h m s	s		° ′ ″	″	
801	[4 Pisc. austr.]	4.8	A	21 13 9.086	+3.6427	+ 35	−32 30 12.65	+14.937	− 26
802	[ϑ¹ Microscop.]	4.9	A 2p	21 15 42.835	+3.8469	+ 70	−41 8 39.00	+15.126	+ 14
803	α Cephei	2.5	A 5	21 16 41.700	+1.4334	+ 212	+62 15 1.69	+15.217	+ 49
804	1 Pegasi	4.2	K	21 18 25.947	+2.7740	+ 74	+19 27 56.70	+15.328	+ 61
805	γ Pavonis	4.2	F 8	21 19 55.773	+4.9911	+ 131	−65 43 29.28	+16.139	+ 788
806	ζ Capricorni	3.8	G p	21 22 9.589	+3.4288	− 1	−22 45 15.65	+15.499	+ 23
807	[g Cygni]	5.4	K	21 26 31.978	+2.2129	+ 48	+46 11 29.93	+15.820	+ 103
808	β Aquarii	2.9	G	21 27 24.077	+3.1594	+ 11	− 5 55 9.96	+15.759	− 5
809	β Cephei	3.1	B 1	21 27 38.837	+0.7832	+ 20	+70 12 49.37	+15.784	+ 7
810	ν Octantis	3.7	K	21 32 44.762	+6.7715	+ 132	−77 44 31.80	+15.791	− 256
811	74 Cygni	5.1	A 5	21 33 46.856	+2.4032	− 3	+40 3 28.94	+16.114	+ 12
812	[γ Capricorni]	3.6	F p	21 35 42.990	+3.3267	+ 131	−17 1 11.32	+16.186	− 16
813	[13 H. Cephei]	6.1	Oe 5	21 36 30.549	+1.8616	+ 7	+57 7 52.94	+16.245	+ 2
814	[ι Pisc.austr.]	4.4	A	21 40 14.699	+3.5789	+ 18	−33 23 12.91	+16.343	− 89
815	ε Pegasi	2.3	K	21 40 18.348	+2.9464	+ 19	+ 9 30 43.59	+16.435	0
817	[11 Cephei]	4.8	K	21 40 46.196	+0.8873	+ 234	+70 56 50.84	+16.556	+ 98
816	[κ Pegasi]	4.1	F 5	21 41 3.997	+2.7156	+ 25	+25 16 52.62	+16.483	+ 10
818	[λ Capricorni]	5.5	A	21 42 17.077	+3.2316	+ 20	−11 43 51.30	+16.530	− 4
819	δ Capricorni	2.8	A 5	21 42 40.957	+3.3136	+ 178	−16 29 11.29	+16.260	− 294
821	π² Cygni	4.3	B 3	21 43 52.387	+2.2149	+ 8	+48 56 36.44	+16.608	− 4
820	[ο Jndi]	5.6	K 5	21 44 7.580	+5.1153	− 87	−69 59 53.11	+16.603	− 21
822	γ Gruis	3.0	A	21 49 8.982	+3.6393	+ 77	−37 44 13.68	+16.848	− 18
823	16 Pegasi	5.2	B 3	21 49 27.986	+2.7286	+ 4	+25 33 10.31	+16.882	+ 1
824	[δ Jndi]	4.6	F	21 52 33.050	+4.0984	+ 43	−55 22 8.90	+16.996	− 29
826	[20 Pegasi]	5.8	F	21 57 14.394	+2.9221	+ 36	+12 44 27.12	+17.184	− 54
825	[ε Jndi]	4.9	K 5	21 57 19.710	+4.6079	+4811	−57 6 41.36	+14.660	−2581
827	α Aquarii	2.9	G	22 1 43.617	+3.0818	+ 10	− 0 42 15.22	+17.428	− 7
828	ι Aquarii	4.2	B 8	22 2 10.353	+3.2420	+ 24	−14 15 12.63	+17.403	− 51
830	20 Cephei	5.7	K 5	22 2 36.373	+1.8221	+ 22	+62 23 59.51	+17.533	+ 60
829	α Gruis	1.8	B 5	22 3 15.673	+3.7919	+ 119	−47 20 39.93	+17.329	− 171
831	[ι Pegasi]	3.9	F 5	22 3 19.915	+2.7915	+ 219	+24 57 31.22	+17.526	+ 22
832	[μ Pisc.austr.]	4.6	A 2	22 3 46.634	+3.5043	+ 41	−33 22 28.81	+17.482	− 41
833	[27 Pegasi]	5.8	K	22 5 43.517	+2.6569	− 42	+32 47 9.22	+17.540	− 65
834	ϑ Pegasi	3.6	A	22 6 12.894	+3.0264	+ 184	+ 5 48 31.05	+17.656	+ 31
835	π Pegasi	4.3	F 5	22 6 28.617	+2.6626	− 9	+32 47 24.22	+17.617	− 19
836	ζ Cephei	3.4	K	22 8 6.652	+2.0783	+ 14	+57 48 41.10	+17.709	+ 6
837	24 Cephei	4.8	K	22 8 17.530	+1.1575	+ 54	+71 57 6.65	+17.719	+ 8
838	[λ Pisc.austr.]	5.4	A	22 9 50.319	+3.4051	+ 16	−28 9 32.70	+17.773	− 1
839	[ε Octantis]	5.3	M b	22 11 14.843	+6.8705	+ 137	−80 50 2.21	+17.790	− 40
840	ϑ Aquarii	4.2	K	22 12 39.982	+3.1670	+ 76	− 8 10 37.90	+17.868	− 19

Nr.	Name	Gr.	Spektrum	AR. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in $0^s.0001$	Dekl. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in $0''.001$
841	α Tucanae	2.8	K 2	$22^h\ 13^m\ 6^s.154$	$+4^s.1318$	— 98	$-60^\circ\ 39'\ 14''.63$	$+17''.855$	— 49
842	γ Aquarii	3.7	A	22 17 34.587	+3.0991	+ 83	— 1 47 9.56	+18.083	+ 7
843	[31 Pegasi]	4.9	B 3 p	22 17 37.715	+2.9519	— 1	+11 48 23.94	+18.087	+ 9
844	3 Lacertae	4.5	K	22 20 27.016	+2.3557	— 15	+51 49 58.01	+17.993	—191
845	[ν Gruis]	5.6	K	22 24 1.662	+3.5236	+ 24	—39 31 55.29	+18.152	—162
846	[δ¹ Gruis]	4.0	G 5	22 24 33.207	+3.5946	+ 17	—43 53 59.06	+18.324	— 8
847	[δ Cephei]	(4.1)	G	22 26 14.059	+2.2233	+ 17	+58 0 37.63	+18.393	+ 2
848	7 Lacertae	3.8	A	22 28 2.016	+2.4681	+ 147	+49 52 33.31	+18.469	+ 17
849	[υ Aquarii]	5.5	F	22 30 22.519	+3.2849	+ 155	—21 6 48.14	+18.388	—144
850	η Aquarii	3.9	B 8	22 31 17.844	+3.0832	+ 59	— 0 31 30.62	+18.507	— 55
851	[31 Cephei]	5.2	F	22 33 49.031	+1.4821	+ 382	+73 13 58.21	+18.667	+ 23
852	10 Lacertae	4.9	Oe 5	22 35 42.824	+2.6890	+ 4	+38 38 19.27	+18.699	— 6
853	[30 Cephei]	5.3	A 2	22 35 50.710	+2.1242	+ 1	+63 10 24.57	+18.687	— 22
854	[ε Pisc.austr.]	4.0	B 8	22 36 17.342	+3.3219	+ 12	—27 27 21.75	+18.725	+ 2
855	ζ Pegasi	3.3	B 8	22 37 31.282	+2.9915	+ 53	+10 25 6.64	+18.748	— 13
856	β Gruis	2.0	M b	22 37 57.333	+3.5918	+ 117	—47 17 54.10	+18.749	— 25
857	η Pegasi	2.9	G	22 39 17.800	+2.8099	+ 12	+29 48 27.31	+18.782	— 33
858	[13 Lacertae]	5.4	K	22 40 33.888	+2.6718	— 6	+41 24 15.38	+18.858	+ 5
859	λ Pegasi	3.9	K	22 42 43.442	+2.8878	+ 41	+23 8 58.23	+18.907	— 10
860	ε Gruis	3.5	A 2	22 43 47.370	+3.6353	+ 96	—51 43 57.93	+18.874	— 73
861	[τ Aquarii]	4.0	K 5	22 45 24.650	+3.1782	— 12	—14 0 35.79	+18.960	— 33
862	[μ Pegasi]	3.6	K	22 46 11.304	+2.8937	+ 109	+24 11 2.64	+18.974	— 41
863	ι Cephei	3.5	K	22 46 51.791	+2.1291	— 114	+65 47 4.69	+18.910	—123
864	λ Aquarii	3.8	M a	22 48 29.645	+3.1308	+ 5	— 8 0 1.29	+19.116	+ 38
865	ρ Jndi	6.3	G	22 49 10.980	+4.2099	— 101	—70 29 46.21	+19.157	+ 62
866	δ Aquarii	3.2	A 2	22 50 27.559	+3.1857	— 33	—16 14 28.64	+19.110	— 19
867	α Pisc. austr.	1.2	A 3	22 53 17.292	+3.3192	+ 247	—30 2 28.43	+19.043	—159
868	[ζ Gruis]	4.0	G 5	22 56 13.413	+3.5550	— 80	—53 10 41.36	+19.259	— 16
869	ο Androm.	3.5	B 3	22 58 16.960	+2.7562	+ 25	+41 54 3.66	+19.310	— 13
870	β Pegasi	2.4	M b	22 59 56.522	+2.9058	+ 145	+27 39 14.21	+19.498	+138
871	α Pegasi	2.4	A	23 0 49.451	+2.9868	+ 41	+14 46 47.54	+19.340	— 41
872	ϑ Gruis	4.2	F 5	23 2 26.016	+3.3877	— 52	—43 56 51.10	+19.378	— 38
873	c² Aquarii	3.7	K	23 5 14.188	+3.2012	+ 32	—21 36 5.39	+19.512	+ 36
874	π Cephei	4.5	G 5	23 5 22.827	+1.9015	+ 29	+74 57 36.98	+19.453	— 25
875	Br. 3077	5.8	K	23 9 28.336	+2.8803	+2529	+56 43 54.92	+19.856	+296
876	[Tucanae 25 G.]	5.9	F	23 12 13.294	+3.6256	+ 231	—62 25 56.30	+19.559	— 53
877	γ Tucanae	3.9	F 2	23 12 49.614	+3.5155	— 59	—58 40 8.69	+19.704	+ 82
878	[γ Piscium]	3.7	K	23 13 4.170	+3.1095	+ 503	+ 2 51 1.20	+19.644	+ 18
879	γ Sculptoris	4.4	K	23 14 33.691	+3.2444	+ 10	—32 57 45.54	+19.585	— 68
880	τ Pegasi	4.5	A 5	23 16 43.465	+2.9668	+ 21	+23 18 27.44	+19.676	— 13

Nr.	Name	Gr.	Spektrum	AR. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
				h m s	s		° ′ ″	″	
882	4 Cassiopeiae	5.5	M a p	23 21 19.267	+2.6550	+ 17	+61 50 55.99	+19.750	— 10
881	[υ Pegasi]	4.4	G	23 21 26.041	+2.9917	+138	+22 58 8.22	+19.797	+ 35
883	[ο Gruis]	5.7	F	23 22 11.584	+3.3653	— 4	—53 9 33.01	+19.892	+119
884	κ Piscium	5.1	A 2	23 22 52.952	+3.0753	+ 56	+ 0 49 22.49	+19.690	— 93
885	70 Pegasi	4.7	K	23 25 9.467	+3.0323	+ 38	+12 19 28.11	+19.842	+ 28
886	[β Sculptoris]	4.4	B 9	23 28 44.315	+3.2225	+ 65	—38 15 19.51	+19.873	+ 14
887	[72 Pegasi]	5.2	K	23 30 1.827	+2.9725	+ 40	+30 53 20.96	+19.862	— 12
888	[Aquarii 248 G.]	6.7	A	23 31 27.592	+3.0953	— 5	— 7 54 6.43	+19.913	+ 23
889	[Phoenicis 11 G.]	4.6	A 2	23 33 36.071	+3.2361	+ 47	—45 55 47.70	+19.875	— 37
890	[λ Androm.]	3.8	K	23 33 41.513	+2.9296	+156	+46 1 47.84	+19.490	—423
891	ι Androm.	4.1	B 8	23 34 15.404	+2.9365	+ 27	+42 49 49.86	+19.914	— 5
892	ι Piscium	4.1	F 5	23 35 53.159	+3.0847	+247	+ 5 11 52.42	+19.495	—440
893	γ Cephei	3.3	K	23 36 5.548	+2.4424	—183	+77 11 29.06	+20.093	+157
894	ω² Aquarii	4.5	A	23 38 37.608	+3.1125	+ 65	—14 58 54.57	+19.896	— 63
895	41 H. Cephei	5.2	A	23 44 7.342	+2.8532	+ 23	+67 22 4.13	+19.998	+ 1
896	Lac. δ Sculpt.	4.4	A	23 44 48.792	+3.1280	+ 71	—28 34 2.19	+19.896	—105
897	[Aquarii 268 G.]	6.3	A	23 46 10.149	+3.0961	+ 86	—10 24 54.56	+20.095	+ 86
898	φ Pegasi	5.4	M a	23 48 27.983	+3.0492	— 8	+18 40 53.17	+19.981	— 39
899	[ρ Cassiopeiae]	4.8	F 8 p	23 50 25.690	+2.9859	— 7	+57 3 35.47	+20.032	+ 4
900	[27 Piscium]	5.1	F	23 54 37.709	+3.0712	— 37	— 3 59 39.48	+19.971	— 68
901	[π Phoenicis]	5.2	K	23 54 50.381	+3.1158	+ 30	—53 11 14.45	+20.086	+ 46
902	ω Piscium	3.9	F 5	23 55 15.201	+3.0796	+100	+ 6 25 33.33	+19.932	—109
903	ε Tucanae	4.5	B 9	23 55 49.217	+3.1339	+ 64	—66 1 0.16	+20.009	— 33
904	[ϑ Octantis]	5.0	K	23 57 33.181	+3.1151	—220	—77 30 6.72	+19.873	—171
905	[2 Ceti]	4.5	A	23 59 41.628	+3.0744	+ 12	—17 46 32.72	+20.041	— 4

[1]) Nr. 257. Ort des Schwerpunktes. Die Reduktion auf den Hauptstern ist nach Auwers A. N. 3085 (vergl. Neuer Fundamental-Katalog, Seite 98):

1921.0: $\Delta\alpha = -0^s.228$ $\Delta\delta = -1''.56$
1922.0: $= -0.225$ $= -1.67$

[2]) Nr. 287. Rektaszension der Mitte, Deklination des folgenden helleren Sterns

[3]) Nr. 291. Ort des Schwerpunktes. Die Reduktion auf den Ort des hellen Sterns beträgt nach Auwers A. N. 3929 (vergl. Neuer Fundamental-Katalog, Seite 98):

1921.0: $\Delta\alpha = -0^s.038$ $\Delta\delta = +0''.38$
1922.0: $= -0.028$ $= +0.48$

[4]) Nr. 538. Schwerpunkt des Systems. Abstände vom Schwerpunkt nach See M. N. Dez. 1893 (vergl. Neuer Fundamental-Katalog, Seite 99):

heller Stern 1921.0: $\Delta\alpha = +0^s.589$ $\Delta\delta = +4''.79$
1922.0: $= +0.572$ $= +4.47$
Begleiter 1921.0: $\Delta\alpha = -0^s.693$ $\Delta\delta = -5''.65$
1922.0: $= -0.673$ $= -5.27$

Nr.	Name	Gr.	Spektrum	AR. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.001	Dekl. 1921.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
	Nördliche Polsterne								
				h m s	s		° ′ ″	″	
Na	43 H. Cephei	4.3	K	0 57 40.08	+ 7.715	+ 75	+85 50 2.83	+19.413	— 1
Nb	α Ursae min.	2.0	F 8	1 32 11.25	+30.041	+146	+88 52 57.37	+18.446	+ 2
Nc	Gr. 750	6.8	F	4 11 13.24	+17.691	+ 16	+85 20 46.70	+ 9.193	+ 32
Nd	51 H. Cephei	5.2	Ma	7 4 0.91	+29.060	— 51	+87 10 32.54	— 5.562	— 36
Ne	1 H. Dracon.	4.3	K	9 25 56.77	+ 8.755	— 6	+81 40 38.78	—15.705	— 20
Nf	[30 H. Camel.]	5.2	F 5	10 21 34.92	+ 7.533	— 47	+82 57 41.99	—18.194	+ 31
Ng	ε Ursae min.	4.2	G 5	16 54 0.56	— 6.237	+ 7	+82 10 10.31	— 5.686	+ 6
Nh	δ Ursae min.	4.3	A	17 57 43.32	—19.497	+ 16	+86 36 51.06	— 0.142	+ 57
Ni	λ Ursae min.	6.8	Ma	18 57 50.11	—72.910	— 96	+89 1 23.16	+ 5.012	+ 8
Nk	76 Draconis	6.0	A	20 48 23.88	— 4.187	+ 16	+82 14 23.87	+13.466	+ 27
	Südliche Polsterne								
				h m s	s		° ′ ″	″	
Sa	Octantis 4 G.	6	K	1 41 47.78	— 3.703	+ 18	—85 10 8.74	+18.134	+ 34
Sb	[ξ Mensae]	6.0	K	5 7 48.65	— 6.925	— 4	—82 34 41.57	+ 4.539	+ 14
Sc	ζ Octantis	6—5	F 5	9 8 26.23	— 8.200	— 93	—85 20 55.89	—14.638	+ 48
Sd	ι Octantis	6—5	K	12 46 31.34	+ 6.016	+ 42	—84 41 40.89	—19.608	+ 25
Se	Octantis 20 G.	7	Ma	14 47 55.58	+26.487	—182	—87 49 50.32	—14.969	— 68
Sf	Octantis 26 G.	6—7	A 2	16 31 7.80	+21.826	+ 5	—86 13 28.63	— 7.582	— 2
Sg	χ Octantis	6	K 5	18 8 35.09	+35.715	— 91	—87 39 49.77	+ 0.623	—128
Sh	σ Octantis	6	A 8	19 33 57.85	+92.746	+112	—89 12 57.62	+ 7.990	0
Si	β Octantis	4.1	F	22 38 4.44	+ 6.290	— 26	—81 47 47.28	+18.780	+ 3
Sk	τ Octantis	6	K	23 16 49.26	+ 9.973	+ 21	—87 54 59.56	+19.706	+ 15

Von den Sternen, deren Namen eingeklammert sind, folgen keine Ephemeriden

Mittlere Zeit Greenw.	1) α Andromedae AR.		Dekl.		2) β Cassiopeiae AR.		Dekl.		3) ε Phoenicis AR.		Dekl.		7) γ Pegasi AR.		Dekl.	
1921	$0^h\ 4^m$		$+28°\ 39'$		$0^h\ 4^m$		$+58°\ 42'$		$0^h\ 5^m$		$-46°\ 10'$		$0^h\ 9^m$		$+14°\ 44'$	
Jan. 0.2	$18^s.717$	145	$27''.79$	98	$58^s.293$	316	$70''.93$	80	$24^s.046$	207	$72''.19$	30	$10^s.517$	123	$47''.07$	89
10.2	18.572	140	26.81	124	57.977	304	70.13	132	23.839	193	71.89	77	10.394	119	46.18	100
20.2	18.432	127	25.57	145	57.673	280	68.81	178	23.646	170	71.12	120	10.275	108	45.18	107
30.1	18.305	109	24.12	159	57.393	243	67.03	218	23.476	144	69.92	161	10.167	93	44.11	110
Feb. 9.1	18.196	84	22.53	168	57.150	195	64.85	248	23.332	111	68.31	197	10.074	73	43.01	108
19.1	18.112	53	20.85	169	56.955	134	62.37	268	23.221	74	66.34	229	10.001	46	41.93	100
März 1.1	18.059	17	19.16	162	56.821	66	59.69	278	23.147	31	64.05	256	9.955	15	40.93	87
11.0	18.042	25	17.54	148	56.755	10	56.91	276	23.116	14	61.49	278	9.940	22	40.06	69
21.0	18.067	70	16.06	125	56.765	88	54.15	262	23.130	65	58.71	294	9.962	62	39.37	45
31.0	18.137	117	14.81	98	56.853	168	51.53	238	23.195	116	55.77	304	10.024	103	38.92	18
Apr. 10.0	18.254	163	13.83	64	57.021	245	49.15	205	23.311	167	52.73	307	10.127	145	38.74	11
19.9	18.417	207	13.19	28	57.266	316	47.10	164	23.478	217	49.66	304	10.272	186	38.85	44
29.9	18.624	246	12.91	11	57.582	377	45.46	118	23.695	265	46.62	295	10.458	224	39.29	75
Mai 9.9	18.870	281	13.02	51	57.959	430	44.28	68	23.960	307	43.67	279	10.682	256	40.04	105
19.8	19.151	308	13.53	89	58.389	468	43.60	14	24.267	343	40.88	256	10.938	282	41.09	134
29.8	19.459	326	14.42	125	58.857	494	43.46	39	24.610	370	38.32	228	11.220	301	42.43	158
Juni 8.8	19.785	336	15.67	157	59.351	507	43.85	90	24.980	389	36.04	192	11.521	312	44.01	179
18.8	20.121	337	17.24	186	59.858	504	44.75	138	25.369	396	34.12	154	11.833	314	45.80	195
28.7	20.458	328	19.10	208	60.362	489	46.13	185	25.765	394	32.58	109	12.147	308	47.75	205
Juli 8.7	20.786	312	21.18	227	60.851	462	47.98	225	26.159	379	31.49	64	12.455	294	49.80	211
18.7	21.098	288	23.45	239	61.313	424	50.23	259	26.538	356	30.85	15	12.749	274	51.91	210
28.7	21.386	258	25.84	244	61.737	377	52.82	288	26.894	322	30.70	32	13.023	246	54.01	205
Aug. 7.6	21.644	222	28.28	246	62.114	324	55.79	310	27.216	280	31.02	79	13.269	213	56.06	195
17.6	21.866	183	30.74	241	62.438	264	58.80	325	27.496	231	31.81	123	13.482	178	58.01	181
27.6	22.049	143	33.15	232	62.702	201	62.05	334	27.727	176	33.04	160	13.660	140	59.82	164
Sept. 6.5	22.192	101	35.47	218	62.903	137	65.39	335	27.903	121	34.64	193	13.800	102	61.46	145
16.5	22.293	60	37.65	201	63.040	74	68.74	330	28.024	62	36.57	218	13.902	64	62.91	123
26.5	22.353	23	39.66	180	63.114	11	72.04	318	28.086	7	38.75	233	13.966	29	64.14	101
Okt. 6.5	22.376	13	41.46	157	63.125	49	75.22	299	28.093	46	41.08	240	13.995	4	65.15	78
16.4	22.363	44	43.03	132	63.076	104	78.21	274	28.047	93	43.48	236	13.991	33	65.93	55
26.4	22.319	72	44.35	104	62.972	155	80.95	242	27.954	133	45.84	223	13.958	58	66.48	33
Nov. 5.4	22.247	95	45.39	74	62.817	201	83.37	205	27.821	167	48.07	200	13.900	79	66.81	11
15.4	22.152	114	46.13	44	62.616	242	85.42	161	27.654	192	50.07	170	13.821	96	66.92	9
25.3	22.038	129	46.57	12	62.374	274	87.03	113	27.462	209	51.77	134	13.725	109	66.83	30
Dez. 5.3	21.909	141	46.69	20	62.100	299	88.16	61	27.253	218	53.11	91	13.616	119	66.53	49
15.3	21.768	147	46.49	52	61.801	316	88.77	7	27.035	219	54.02	46	13.497	124	66.04	66
25.2	21.621	149	45.97	82	61.485	322	88.84	48	26.816	215	54.48	1	13.373	127	65.38	82
35.2	21.472		45.15		61.163		88.36		26.601		54.47		13.246		64.56	
Mittl. Ort	18.015		15.49		57.117		50.55		24.279		60.41		9.922		39.61	
sec δ, tg δ	1.139		+0.546		1.926		+1.646		1.444		−1.042		1.034		+0.263	

Mittlere Zeit Greenw.	9) ι Ceti				10) ζ Tucanae				11) β Hydri				12) α Phoenicis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	0h 15m		−9° 15′		0h 15m		−65° 19′		0h 21m		−77° 41′		0h 22m		−42° 43′	
Jan. 0.2	24.566	119	43.84	60	56.89	42	96.60	76	35.00	92	73.92	98	22.856	198	78.14	5
10.2	24.447	115	44.44	46	56.47	38	95.84	130	34.08	85	72.94	157	22.658	188	78.09	49
20.2	24.332	105	44.90	28	56.09	35	94.54	183	33.23	78	71.37	211	22.470	171	77.60	92
30.2	24.227	91	45.18	11	55.74	30	92.71	230	32.45	67	69.26	258	22.299	150	76.68	134
Feb. 9.1	24.136	72	45.29	10	55.44	24	90.41	270	31.78	56	66.68	299	22.149	123	75.34	171
19.1	24.064	48	45.19	31	55.20	18	87.71	303	31.22	42	63.69	331	22.026	89	73.63	205
März 1.1	24.016	18	44.88	53	55.02	10	84.68	330	30.80	28	60.38	356	21.937	51	71.58	235
11.0	23.998	15	44.35	77	54.92	2	81.38	349	30.52	13	56.82	371	21.886	8	69.23	259
21.0	24.013	52	43.58	101	54.90	4	77.89	360	30.39	2	53.11	378	21.878	39	66.64	278
31.0	24.065	92	42.57	124	54.94	13	74.29	363	30.41	19	49.33	378	21.917	88	63.86	292
Apr. 10.0	24.157	132	41.33	146	55.07	21	70.66	358	30.60	33	45.55	369	22.005	139	60.94	300
19.9	24.289	172	39.87	166	55.28	30	67.08	347	30.93	49	41.86	352	22.144	188	57.94	301
29.9	24.461	208	38.21	183	55.58	37	63.61	327	31.42	63	38.34	327	22.332	236	54.93	296
Mai 9.9	24.669	242	36.38	196	55.95	43	60.34	301	32.05	75	35.07	296	22.568	278	51.97	284
19.9	24.911	269	34.42	205	56.38	50	57.33	266	32.80	86	32.11	256	22.846	316	49.13	266
29.8	25.180	290	32.37	208	56.88	54	54.67	227	33.66	96	29.55	213	23.162	344	46.47	242
Juni 8.8	25.470	303	30.29	206	57.42	58	52.40	181	34.62	103	27.42	163	23.506	366	44.05	210
18.8	25.773	309	28.23	198	58.00	59	50.59	132	35.65	106	25.79	110	23.872	376	41.95	173
28.7	26.082	305	26.25	186	58.59	60	49.27	78	36.71	108	24.69	53	24.248	377	40.22	133
Juli 8.7	26.387	294	24.39	168	59.19	58	48.49	24	37.79	106	24.16	4	24.625	367	38.89	89
18.7	26.681	275	22.71	147	59.77	55	48.25	33	38.85	101	24.20	62	24.992	348	38.00	41
28.7	26.956	249	21.24	120	60.32	50	48.58	86	39.86	94	24.82	117	25.340	319	37.59	6
Aug. 7.6	27.205	219	20.04	93	60.82	45	49.44	138	40.80	83	25.99	170	25.659	282	37.65	53
17.6	27.424	184	19.11	64	61.27	37	50.82	185	41.63	69	27.69	216	25.941	238	38.18	98
27.6	27.608	146	18.47	34	61.64	29	52.67	225	42.32	54	29.85	254	26.179	189	39.16	138
Sept. 6.6	27.754	108	18.13	6	61.93	20	54.92	256	42.86	37	32.39	285	26.368	138	40.54	174
16.5	27.862	69	18.07	21	62.13	10	57.48	279	43.23	18	35.24	306	26.506	84	42.28	202
26.5	27.931	32	18.28	45	62.23	0	60.27	291	43.41	1	38.30	313	26.590	31	44.30	222
Okt. 6.5	27.963	1	18.73	64	62.23	8	63.18	292	43.40	19	41.43	310	26.621	18	46.52	233
16.4	27.962	31	19.37	80	62.15	17	66.10	280	43.21	38	44.53	295	26.603	63	48.85	234
26.4	27.931	57	20.17	90	61.98	25	68.90	257	42.83	53	47.48	267	26.540	105	51.19	226
Nov. 5.4	27.874	78	21.07	96	61.73	31	71.47	224	42.30	67	50.15	228	26.435	137	53.45	208
15.4	27.796	95	22.03	98	61.42	37	73.71	183	41.63	79	52.43	181	26.298	163	55.53	182
25.3	27.701	108	23.01	95	61.05	40	75.54	133	40.84	87	54.24	127	26.135	183	57.35	150
Dez. 5.3	27.593	116	23.96	90	60.65	42	76.87	78	39.97	92	55.51	66	25.952	196	58.85	112
15.3	27.477	121	24.86	81	60.23	43	77.65	20	39.05	94	56.17	4	25.756	201	59.97	69
25.3	27.356	122	25.67	69	59.80	42	77.85	38	38.11	92	56.21	59	25.555	201	60.66	24
35.2	27.234		26.36		59.38		77.47		37.19		55.62		25.354		60.90	
Mittl. Ort	24.172		42.62		57.80		80.92		37.42		56.89		22.887		66.43	
sec δ, tg δ	1.013		−0.163		2.397		−2.178		4.694		−4.586		1.361		−0.924	

Mittlere Zeit Greenw.	13) 12 Ceti				17) ζ Cassiopeiae				18) π Andromedae				20) δ Andromedae			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	$0^h 26^m$		$-4° 23'$		$0^h 32^m$		$+53° 27'$		$0^h 32^m$		$+33° 17'$		$0^h 35^m$		$+30° 25'$	
	s		"		s		"		s		"		s		"	
Jan. 0.2	0.936	120	37.35	68	34.990	267	62.65	55	40.369	161	17.49	77	6.876	153	55.94	76
10.2	0.816	117	38.03	59	34.723	264	62.10	102	40.208	162	16.72	106	6.723	153	55.18	104
20.2	0.699	109	38.62	46	34.459	253	61.08	148	40.046	154	15.66	132	6.570	148	54.14	127
30.2	0.590	98	39.08	32	34.206	229	59.60	186	39.892	140	14.34	154	6.422	134	52.87	146
Feb. 9.1	0.492	79	39.40	16	33.977	195	57.74	217	39.752	117	12.80	169	6.288	114	51.41	159
19.1	0.413	57	39.56	4	33.782	149	55.57	240	39.635	88	11.11	177	6.174	86	49.82	165
März 1.1	0.356	28	39.52	24	33.633	93	53.17	251	39.547	52	9.34	176	6.088	51	48.17	162
11.1	0.328	5	39.28	47	33.540	31	50.66	253	39.495	9	7.58	168	6.037	9	46.55	153
21.0	0.333	42	38.81	71	33.509	38	48.13	244	39.486	38	5.90	151	6.028	36	45.02	137
31.0	0.375	81	38.10	95	33.547	108	45.69	225	39.524	88	4.39	128	6.064	84	43.65	113
Apr. 10.0	0.456	123	37.15	119	33.655	178	43.44	197	39.612	139	3.11	99	6.148	133	42.52	83
19.9	0.579	162	35.96	141	33.833	246	41.47	161	39.751	188	2.12	64	6.281	181	41.69	50
29.9	0.741	201	34.55	162	34.079	305	39.86	120	39.939	233	1.48	26	6.462	225	41.19	14
Mai 9.9	0.942	234	32.93	179	34.384	358	38.66	73	40.172	273	1.22	13	6.687	265	41.05	24
19.9	1.176	263	31.14	191	34.742	400	37.93	26	40.445	305	1.35	52	6.952	297	41.29	62
29.8	1.439	285	29.23	199	35.142	431	37.67	24	40.750	330	1.87	91	7.249	321	41.91	98
Juni 8.8	1.724	300	27.24	203	35.573	450	37.91	73	41.080	345	2.78	127	7.570	336	42.89	132
18.8	2.024	306	25.21	200	36.023	456	38.64	119	41.425	351	4.05	159	7.906	344	44.21	161
28.8	2.330	304	23.21	192	36.479	450	39.83	161	41.776	347	5.64	187	8.250	340	45.82	188
Juli 8.7	2.634	294	21.29	179	36.929	433	41.44	200	42.123	335	7.51	210	8.590	328	47.70	208
18.7	2.928	278	19.50	162	37.362	407	43.44	234	42.458	315	9.61	228	8.918	310	49.78	223
28.7	3.206	253	17.88	141	37.769	371	45.78	262	42.773	288	11.89	239	9.228	284	52.01	233
Aug. 7.6	3.459	224	16.47	116	38.140	327	48.40	284	43.061	255	14.28	247	9.512	252	54.34	238
17.6	3.683	191	15.31	89	38.467	280	51.24	300	43.316	219	16.75	247	9.764	217	56.72	237
27.6	3.874	154	14.42	62	38.747	227	54.24	308	43.535	178	19.22	244	9.981	177	59.09	231
Sept. 6.6	4.028	117	13.80	35	38.974	173	57.32	312	43.713	138	21.66	235	10.158	138	61.40	221
16.5	4.145	80	13.45	8	39.147	118	60.44	309	43.851	97	24.01	222	10.296	99	63.61	207
26.5	4.225	44	13.37	16	39.265	65	63.53	300	43.948	57	26.23	206	10.395	60	65.68	190
Okt. 6.5	4.269	11	13.53	37	39.330	11	66.53	284	44.005	20	28.29	186	10.455	23	67.58	170
16.5	4.280	19	13.90	55	39.341	38	69.37	262	44.025	15	30.15	162	10.478	10	69.28	146
26.4	4.261	45	14.45	68	39.303	85	71.99	236	44.010	46	31.77	137	10.468	41	70.74	122
Nov. 5.4	4.216	67	15.13	77	39.218	128	74.35	203	43.964	74	33.14	108	10.427	68	71.96	94
15.4	4.149	85	15.90	84	39.090	167	76.38	165	43.890	100	34.22	77	10.359	92	72.90	66
25.3	4.064	100	16.74	85	38.923	201	78.03	122	43.790	121	34.99	45	10.267	113	73.56	35
Dez. 5.3	3.964	110	17.59	85	38.722	231	79.25	75	43.669	138	35.44	12	10.154	130	73.91	4
15.3	3.854	117	18.44	81	38.491	252	80.00	26	43.531	153	35.56	23	10.024	144	73.95	28
25.3	3.737	121	19.25	75	38.239	266	80.26	23	43.378	161	35.33	56	9.880	153	73.67	58
35.2	3.616		20.00		37.973		80.03		43.217		34.77		9.727		73.09	
Mittl. Ort	0.429		37.42		33.624		44.30		39.398		4.68		5.927		44.13	
sec δ, tg δ	1.003		−0.077		1.680		+1.350		1.196		+0.657		1.160		+0.587	

Mittlere Zeit Greenw.	21) α Cassiopeiae AR.		Dekl.		22) β Ceti AR.		Dekl.	
1921	0h 36m		+56° 6′		0h 39m		−18° 24′	
	s		″		s		″	
Jan. 0.2	2.280	291	34.26	46	37.917	134	77.46	55
10.2	1.989	290	33.80	97	37.783	132	78.01	30
20.2	1.699	278	32.83	144	37.651	125	78.31	3
30.2	1.421	253	31.39	185	37.526	114	78.34	23
Feb. 9.1	1.168	216	29.54	218	37.412	97	78.11	50
19.1	0.952	168	27.36	243	37.315	74	77.61	77
März 1.1	0.784	109	24.93	257	37.241	46	76.84	104
11.1	0.675	41	22.36	261	37.195	13	75.80	129
21.0	0.634	32	19.75	254	37.182	25	74.51	154
31.0	0.666	106	17.21	237	37.207	66	72.97	175
Apr. 10.0	0.772	182	14.84	209	37.273	108	71.22	195
19.9	0.954	253	12.75	174	37.381	150	69.27	212
29.9	1.207	318	11.01	133	37.531	191	67.15	223
Mai 9.9	1.525	375	9.68	88	37.722	228	64.92	231
19.9	1.900	419	8.80	38	37.950	259	62.61	233
29.8	2.319	453	8.42	11	38.209	285	60.28	228
Juni 8.8	2.772	473	8.53	61	38.494	303	58.00	220
18.8	3.245	481	9.14	109	38.797	314	55.80	204
28.8	3.726	475	10.23	153	39.111	315	53.76	183
Juli 8.7	4.201	459	11.76	194	39.426	307	51.93	158
18.7	4.660	432	13.70	229	39.733	293	50.35	128
28.7	5.092	394	15.99	260	40.026	271	49.07	95
Aug. 7.6	5.486	350	18.59	283	40.297	243	48.12	60
17.6	5.836	299	21.42	302	40.540	210	47.52	25
27.6	6.135	245	24.44	313	40.750	173	47.27	11
Sept. 6.6	6.380	188	27.57	318	40.923	134	47.38	44
16.5	6.568	130	30.75	317	41.057	95	47.82	74
26.5	6.698	73	33.92	310	41.152	56	48.56	99
Okt. 6.5	6.771	16	37.02	295	41.208	21	49.55	119
16.5	6.787	37	39.97	274	41.229	14	50.74	133
26.4	6.750	88	42.71	249	41.215	42	52.07	140
Nov. 5.4	6.662	136	45.20	216	41.173	68	53.47	142
15.4	6.526	179	47.36	178	41.105	89	54.89	137
25.3	6.347	216	49.14	135	41.016	107	56.26	126
Dez. 5.3	6.131	249	50.49	87	40.909	119	57.52	111
15.3	5.882	273	51.36	37	40.790	128	58.63	92
25.3	5.609	289	51.73	14	40.662	134	59.55	70
35.2	5.320		51.59		40.528		60.25	
Mittl. Ort	0.794		15.45		37.480		72.18	
sec δ, tg δ	1.793		+1.488		1.054		−0.333	

Mittlere Zeit Greenw.	25) ο Cassiopeiae AR.		Dekl.		24) 21 Cassiopeiae AR.		Dekl.	
1921	0h 40m		+47° 51′		0h 40m		+74° 33′	
	s		″		s		″	
Jan. 0.2	20.196	224	24.55	54	26.96	71	45.04	5
10.2	19.972	226	24.01	98	26.25	72	44.99	67
20.2	19.746	219	23.03	138	25.53	68	44.32	126
30.2	19.527	200	21.65	173	24.85	63	43.06	179
Feb. 9.1	19.327	172	19.92	201	24.22	54	41.27	226
19.1	19.155	134	17.91	220	23.68	43	39.01	262
März 1.1	19.021	88	15.71	231	23.25	29	36.39	288
11.1	18.933	32	13.40	231	22.96	16	33.51	303
21.0	18.901	27	11.09	221	22.80	0	30.48	304
31.0	18.928	90	8.88	202	22.80	16	27.44	294
Apr. 10.0	19.018	153	6.86	174	22.96	31	24.50	273
19.9	19.171	214	5.12	141	23.27	46	21.77	242
29.9	19.385	269	3.71	101	23.73	58	19.35	202
Mai 9.9	19.654	318	2.70	57	24.31	69	17.33	156
19.9	19.972	359	2.13	11	25.00	78	15.77	105
29.8	20.331	388	2.02	34	25.78	85	14.72	51
Juni 8.8	20.719	407	2.36	80	26.63	89	14.21	3
18.8	21.126	416	3.16	123	27.52	90	14.24	59
28.8	21.542	412	4.39	162	28.42	90	14.83	112
Juli 8.7	21.954	399	6.01	197	29.32	87	15.95	161
18.7	22.353	376	7.98	227	30.19	81	17.56	208
28.7	22.729	346	10.25	252	31.00	75	19.64	249
Aug. 7.6	23.075	307	12.77	270	31.75	67	22.13	284
17.6	23.382	266	15.47	284	32.42	57	24.97	313
27.6	23.648	219	18.31	289	32.99	47	28.10	336
Sept. 6.6	23.867	171	21.20	291	33.46	35	31.46	352
16.5	24.038	122	24.11	286	33.81	24	34.98	360
26.5	24.160	74	26.97	276	34.05	12	38.58	362
Okt. 6.5	24.234	26	29.73	260	34.17	0	42.20	354
16.5	24.260	15	32.33	239	34.17	12	45.74	340
26.4	24.245	58	34.72	212	34.05	23	49.14	318
Nov. 5.4	24.187	96	36.84	182	33.82	34	52.32	287
15.4	24.091	131	38.66	147	33.48	45	55.19	248
25.3	23.960	162	40.13	107	33.03	54	57.67	203
Dez. 5.3	23.798	188	41.20	64	32.49	62	59.70	150
15.3	23.610	209	41.84	20	31.87	67	61.20	93
25.3	23.401	226	42.04	26	31.20	72	62.13	33
35.2	23.175		41.78		30.48		62.46	
Mittl. Ort	18.895		7.87		24.12		23.26	
sec δ, tg δ	1.490		+1.105		3.756		+3.620	

Mittlere Zeit Greenw.	27) ζ Andromedae				32) γ Cassiopeiae				33) μ Andromedae				35) α Sculptoris			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	0h 43m		+23° 50′		0h 51m		+60° 17′		0h 52m		+38° 4′		0h 54m		−29° 46′	
Jan. 0.3	9.751	140	24.78	75	57.47	34	40.27	20	22.929	177	29.62	55	48.376	160	72.92	48
10.2	9.611	142	24.03	95	57.13	34	40.07	73	22.752	181	29.07	91	48.216	159	73.40	12
20.2	9.469	137	23.08	112	56.79	33	39.34	124	22.571	178	28.16	122	48.057	154	73.52	— 24
30.2	9.332	127	21.96	125	56.46	32	38.10	170	22.393	166	26.94	149	47.903	143	73.28	61
Feb. 9.1	9.205	110	20.71	132	56.14	27	36.40	209	22.227	146	25.45	170	47.760	126	72.67	96
19.1	9.095	85	19.39	134	55.87	22	34.31	239	22.081	117	23.75	183	47.634	102	71.71	129
März 1.1	9.010	53	18.05	129	55.65	15	31.92	259	21.964	80	21.92	189	47.532	73	70.42	160
11.1	8.957	16	16.76	118	55.50	9	29.33	268	21.884	35	20.03	187	47.459	38	68.82	189
21.0	8.941	— 27	15.58	99	55.41	0	26.65	267	21.849	— 15	18.16	174	47.421	— 2	66.93	213
31.0	8.968	72	14.59	77	55.41	9	23.98	254	21.864	68	16.42	156	47.423	46	64.80	235
Apr. 10.0	9.040	118	13.82	49	55.50	17	21.44	232	21.932	123	14.86	130	47.469	90	62.45	251
20.0	9.158	164	13.33	17	55.67	25	19.12	200	22.055	176	13.56	98	47.559	137	59.94	263
29.9	9.322	208	13.16	— 16	55.92	33	17.12	162	22.231	226	12.58	61	47.696	181	57.31	270
Mai 9.9	9.530	245	13.32	50	56.25	39	15.50	119	22.457	271	11.97	22	47.877	223	54.61	270
19.9	9.775	278	13.82	84	56.64	45	14.31	70	22.728	308	11.75	— 18	48.100	259	51.91	264
29.8	10.053	303	14.66	115	57.09	49	13.61	20	23.036	338	11.93	58	48.359	290	49.27	253
Juni 8.8	10.356	320	15.81	143	57.58	52	13.41	— 30	23.374	357	12.51	97	48.649	312	46.74	234
18.8	10.676	327	17.24	168	58.10	52	13.71	79	23.731	367	13.48	133	48.961	327	44.40	209
28.8	11.003	326	18.92	187	58.62	53	14.50	127	24.098	367	14.81	166	49.288	332	42.31	180
Juli 8.7	11.329	317	20.79	202	59.15	52	15.77	170	24.465	358	16.47	193	49.620	329	40.51	144
18.7	11.646	301	22.81	212	59.67	49	17.47	210	24.823	340	18.40	215	49.949	316	39.07	106
28.7	11.947	277	24.93	217	60.16	45	19.57	243	25.163	316	20.55	233	50.265	297	38.01	64
Aug. 7.7	12.224	248	27.10	216	60.61	41	22.00	273	25.479	285	22.88	246	50.562	269	37.37	21
17.6	12.472	214	29.26	210	61.02	36	24.73	295	25.764	248	25.34	251	50.831	236	37.16	— 21
27.6	12.686	179	31.36	200	61.38	30	27.68	311	26.012	210	27.85	253	51.067	198	37.37	63
Sept. 6.6	12.865	141	33.36	188	61.68	24	30.79	322	26.222	168	30.38	250	51.265	156	38.00	100
16.5	13.006	104	35.24	171	61.92	17	34.01	325	26.390	127	32.88	241	51.421	114	39.00	134
26.5	13.110	67	36.95	152	62.09	11	37.26	322	26.517	85	35.29	228	51.535	72	40.34	161
Okt. 6.5	13.177	33	38.47	132	62.20	5	40.48	312	26.602	47	37.57	212	51.607	31	41.95	181
16.5	13.210	0	39.79	110	62.25	— 1	43.60	295	26.649	8	39.69	190	51.638	— 8	43.76	193
26.4	13.210	29	40.89	87	62.24	8	46.55	272	26.657	— 27	41.59	167	51.630	42	45.69	196
Nov. 5.4	13.181	54	41.76	62	62.16	13	49.27	243	26.630	60	43.26	140	51.588	73	47.65	192
15.4	13.127	79	42.38	38	62.03	18	51.70	207	26.570	89	44.66	109	51.515	99	49.57	179
25.4	13.048	98	42.76	13	61.85	24	53.77	165	26.481	116	45.75	76	51.416	121	51.36	160
Dez. 5.3	12.950	115	42.89	— 12	61.61	27	55.42	117	26.365	140	46.51	41	51.295	138	52.96	135
15.3	12.835	129	42.77	38	61.34	31	56.59	67	26.225	159	46.92	4	51.157	150	54.31	104
25.3	12.706	138	42.39	61	61.03	33	57.26	14	26.066	173	46.96	— 33	51.007	158	55.35	71
35.2	12.568		41.78		60.70		57.40		25.893		46.63		50.849		56.06	
Mittl. Ort	8.832		15.44		55.62		21.25		21.725		16.15		47.980		63.50	
sec δ, tg δ	1.093		+0.442		2.018		+1.752		1.270		+0.783		1.152		−0.572	

Mittlere Zeit Greenw.	36) ε Piscium AR.		Dekl.		38) β Phoenicis AR.		Dekl.		42) β Andromedae AR.		Dekl.		45) υ Piscium AR.		Dekl.	
1921	$0^h\ 58^m$		$+7°\ 27'$		$1^h\ 2^m$		$-47°\ 8'$		$1^h\ 5^m$		$+35°\ 12'$		$1^h\ 15^m$		$+26°\ 50'$	
	s		"		s		"		s		"		s		"	
Jan. 0.3	51.290	123	57.52	74	33.747	237	44.44	28	19.431	165	19.57	49	8.345	143	66.05	53
10.2	51.167	127	56.78	76	33.510	235	44.72	22	19.266	172	19.08	81	8.202	152	65.52	76
20.2	51.040	126	56.02	76	33.275	226	44.50	71	19.094	173	18.27	110	8.050	154	64.76	98
30.2	50.914	119	55.26	73	33.049	211	43.79	119	18.921	164	17.17	135	7.896	149	63.78	113
Feb. 9.2	50.795	106	54.53	65	32.838	187	42.60	162	18.757	148	15.82	154	7.747	137	62.65	126
19.1	50.689	86	53.88	56	32.651	156	40.98	202	18.609	122	14.28	167	7.610	116	61.39	133
März 1.1	50.603	60	53.32	42	32.495	120	38.96	237	18.487	88	12.61	173	7.494	86	60.06	134
11.1	50.543	27	52.90	24	32.375	76	36.59	267	18.399	47	10.88	170	7.408	50	58.72	127
21.0	50.516	10	52.66	3	32.299	27	33.92	291	18.352	0	9.18	160	7.358	8	57.45	115
31.0	50.526	51	52.63	21	32.272	26	31.01	309	18.352	52	7.58	142	7.350	38	56.30	96
Apr. 10.0	50.577	93	52.84	46	32.298	82	27.92	321	18.404	104	6.16	118	7.388	88	55.34	73
20.0	50.670	137	53.30	72	32.380	138	24.71	326	18.508	158	4.98	88	7.476	136	54.61	44
29.9	50.807	179	54.02	98	32.518	192	21.45	323	18.666	207	4.10	55	7.612	183	54.17	14
Mai 9.9	50.986	216	55.00	122	32.710	244	18.22	313	18.873	252	3.55	17	7.795	227	54.03	19
19.9	51.202	249	56.22	144	32.954	291	15.09	297	19.125	291	3.38	21	8.022	264	54.22	52
29.9	51.451	275	57.66	163	33.245	329	12.12	273	19.416	321	3.59	58	8.286	293	54.74	85
Juni 8.8	51.726	293	59.29	177	33.574	361	9.39	242	19.737	343	4.17	94	8.579	317	55.59	114
18.8	52.019	305	61.06	187	33.935	381	6.97	206	20.080	355	5.11	128	8.896	329	56.73	141
28.8	52.324	308	62.93	192	34.316	393	4.91	163	20.435	359	6.39	158	9.225	335	58.14	164
Juli 8.7	52.632	302	64.85	191	34.709	393	3.28	117	20.794	352	7.97	184	9.560	331	59.78	182
18.7	52.934	289	66.76	186	35.102	382	2.11	66	21.146	337	9.81	204	9.891	319	61.60	196
28.7	53.223	271	68.62	175	35.484	361	1.45	15	21.483	316	11.85	220	10.210	300	63.56	205
Aug. 7.7	53.494	245	70.37	161	35.845	330	1.30	37	21.799	287	14.05	231	10.510	276	65.61	208
17.6	53.739	215	71.98	143	36.175	292	1.67	88	22.086	254	16.36	236	10.786	246	67.69	207
27.6	53.954	183	73.41	122	36.467	246	2.55	135	22.340	218	18.72	237	11.032	212	69.76	202
Sept. 6.6	54.137	149	74.63	100	36.713	194	3.90	177	22.558	179	21.09	232	11.244	178	71.78	192
16.6	54.286	113	75.63	77	36.907	141	5.67	212	22.737	140	23.41	223	11.422	142	73.70	180
26.5	54.399	80	76.40	54	37.048	84	7.79	239	22.877	101	25.64	211	11.564	106	75.50	165
Okt. 6.5	54.479	47	76.94	32	37.132	31	10.18	256	22.978	62	27.75	195	11.670	70	77.15	147
16.5	54.526	16	77.26	12	37.163	22	12.74	263	23.040	26	29.70	176	11.740	38	78.62	128
26.4	54.542	12	77.38	7	37.141	71	15.37	260	23.066	8	31.46	153	11.778	5	79.90	106
Nov. 5.4	54.530	37	77.31	22	37.070	114	17.97	246	23.058	41	32.99	128	11.783	24	80.96	85
15.4	54.493	59	77.09	37	36.956	151	20.43	223	23.017	71	34.27	100	11.759	52	81.81	61
25.4	54.434	79	76.72	49	36.805	182	22.66	191	22.946	99	35.27	70	11.707	78	82.42	37
Dez. 5.3	54.355	95	76.23	59	36.623	207	24.57	151	22.847	122	35.97	39	11.629	101	82.79	13
15.3	54.260	110	75.64	66	36.416	223	26.08	107	22.725	144	36.36	5	11.528	121	82.92	14
25.3	54.150	120	74.98	72	36.193	233	27.15	59	22.581	161	36.41	28	11.407	137	82.78	38
35.3	54.030		74.26		35.960		27.74		22.420		36.13		11.270		82.40	
Mittl. Ort	50.463		54.92		33.555		30.22		18.182		7.54		7.167		57.11	
sec δ, tg δ	1.009		+0.131		1.470		−1.078		1.224		+0.706		1.121		+0.506	

Mittlere Zeit Greenw.	47) ϑ Ceti AR.		47) ϑ Ceti Dekl.		48) δ Cassiopeiae AR.		48) δ Cassiopeiae Dekl.		50) η Piscium AR.		50) η Piscium Dekl.		51) 40 Cassiopeiae AR.		51) 40 Cassiopeiae Dekl.	
1921	1h 20m		−8° 35′		1h 20m		+59° 49′		1h 27m		+14° 56′		1h 32m		+72° 38′	
Jan. 0.3	5.225 s	126	29.77″	78	40.183 s	320	48.32″	13	16.246 s	125	24.59″	63	13.86 s	60	36.08″	59
10.3	5.099	133	30.55	62	39.863	336	48.45	39	16.121	135	23.96	73	13.26	62	36.67	1
20.2	4.966	134	31.17	44	39.527	339	48.06	90	15.986	140	23.23	81	12.64	64	36.66	59
30.2	4.832	131	31.61	24	39.188	326	47.16	138	15.846	137	22.42	84	12.00	61	36.07	118
Feb. 9.2	4.701	120	31.85	3	38.862	298	45.78	179	15.709	129	21.58	86	11.39	57	34.89	168
19.1	4.581	104	31.88	19	38.564	255	43.99	214	15.580	111	20.72	83	10.82	49	33.21	214
März 1.1	4.477	80	31.69	42	38.309	198	41.85	240	15.469	87	19.89	75	10.33	40	31.07	249
11.1	4.397	50	31.27	66	38.111	130	39.45	255	15.382	56	19.14	64	9.93	29	28.58	275
21.1	4.347	15	30.61	91	37.981	51	36.90	260	15.326	18	18.50	47	9.64	15	25.83	289
31.0	4.332	25	29.70	115	37.930	32	34.30	254	15.308	24	18.03	27	9.49	2	22.94	291
Apr. 10.0	4.357	67	28.55	137	37.962	117	31.76	237	15.332	69	17.76	4	9.47	13	20.03	283
20.0	4.424	111	27.18	159	38.079	202	29.39	213	15.401	115	17.72	22	9.60	26	17.20	263
30.0	4.535	153	25.59	178	38.281	280	27.26	180	15.516	159	17.94	49	9.86	40	14.57	235
Mai 9.9	4.688	193	23.81	193	38.561	352	25.46	141	15.675	201	18.43	76	10.26	52	12.22	198
19.9	4.881	228	21.88	205	38.913	414	24.05	98	15.876	237	19.19	102	10.78	62	10.24	155
29.9	5.109	259	19.83	210	39.327	462	23.07	50	16.113	268	20.21	125	11.40	70	8.69	108
Juni 8.8	5.368	281	17.73	211	39.789	499	22.57	3	16.381	291	21.46	146	12.10	76	7.61	58
18.8	5.649	296	15.62	207	40.288	521	22.54	45	16.672	306	22.92	163	12.86	81	7.03	6
28.8	5.945	304	13.55	196	40.809	529	22.99	92	16.978	313	24.55	175	13.67	83	6.97	46
Juli 8.8	6.249	302	11.59	181	41.338	525	23.91	136	17.291	312	26.30	182	14.50	83	7.43	96
18.7	6.551	295	9.78	161	41.863	509	25.27	176	17.603	303	28.12	185	15.33	81	8.39	143
28.7	6.846	279	8.17	135	42.372	481	27.03	213	17.906	288	29.97	182	16.14	78	9.82	187
Aug. 7.7	7.125	257	6.82	107	42.853	443	29.16	243	18.194	267	31.79	175	16.92	72	11.69	228
17.7	7.382	231	5.75	77	43.296	399	31.59	269	18.461	240	33.54	165	17.64	65	13.97	262
27.6	7.613	200	4.98	45	43.695	348	34.28	289	18.701	210	35.19	150	18.29	59	16.59	292
Sept. 6.6	7.813	167	4.53	14	44.043	291	37.17	303	18.911	179	36.69	133	18.88	49	19.51	315
16.6	7.980	132	4.39	17	44.334	233	40.20	310	19.090	145	38.02	114	19.37	40	22.66	332
26.5	8.112	98	4.56	44	44.567	173	43.30	312	19.235	111	39.16	95	19.77	30	25.98	342
Okt. 6.5	8.210	64	5.00	68	44.740	111	46.42	307	19.346	79	40.11	75	20.07	19	29.40	345
16.5	8.274	32	5.68	87	44.851	49	49.49	296	19.425	48	40.86	55	20.26	9	32.85	340
26.5	8.306	2	6.55	102	44.900	12	52.45	279	19.473	18	41.41	35	20.35	2	36.25	329
Nov. 5.4	8.308	25	7.57	111	44.888	72	55.24	254	19.491	10	41.76	18	20.33	13	39.54	308
15.4	8.283	50	8.68	115	44.816	129	57.78	223	19.481	35	41.94	1	20.20	23	42.62	280
25.4	8.233	72	9.83	114	44.687	182	60.01	187	19.446	60	41.95	16	19.97	34	45.42	244
Dez. 5.4	8.161	91	10.97	108	44.505	232	61.88	144	19.386	83	41.79	30	19.63	43	47.86	201
15.3	8.070	108	12.05	100	44.273	275	63.32	96	19.303	102	41.49	43	19.20	51	49.87	151
25.3	7.962	121	13.05	87	43.998	309	64.28	46	19.201	118	41.06	56	18.69	57	51.38	95
35.3	7.841		13.92		43.689		64.74		19.083		40.50		18.12		52.33	
Mittl. Ort	4.444		26.30		37.999		30.82		15.160		20.18		10.19		17.16	
sec δ, tg δ	1.011		−0.151		1.990		+1.720		1.035		+0.267		3.351		+3.199	

Mittlere Zeit Greenw.	52) υ Persei				54) α Eridani				55) 43 Cassiopeiae				57) φ Persei			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$1^h 33^m$		$+48° 13'$		$1^h 34^m$		$-57° 37'$		$1^h 36^m$		$+67° 38'$		$1^h 38^m$		$+50° 17'$	
1921	s		″		s		″		s		″		s		″	
Jan. 0.3	9.819	215	56.73	0	46.763	335	93.27	50	31.02	44	56.93	52	43.840	226	43.15	11
10.3	9.604	231	56.73	43	46.428	341	93.77	8	30.58	47	57.45	5	43.614	244	43.26	34
20.2	9.373	239	56.30	85	46.087	338	93.69	63	30.11	48	57.40	62	43.370	253	42.92	77
30.2	9.134	234	55.45	123	45.749	324	93.06	117	29.63	47	56.78	116	43.117	251	42.15	118
Feb. 9.2	8.900	219	54.22	156	45.425	299	91.89	167	29.16	43	55.62	164	42.866	234	40.97	153
19.2	8.681	191	52.66	184	45.126	266	90.22	213	28.73	39	53.98	207	42.632	208	39.44	183
März 1.1	8.490	153	50.82	203	44.860	223	88.09	253	28.34	31	51.91	241	42.424	168	37.61	204
11.1	8.337	104	48.79	212	44.637	171	85.56	287	28.03	22	49.50	263	42.256	117	35.57	217
21.1	8.233	47	46.67	215	44.466	113	82.69	315	27.81	12	46.87	276	42.139	59	33.40	221
31.0	8.186	16	44.52	206	44.353	48	79.54	335	27.69	1	44.11	278	42.080	6	31.19	215
Apr. 10.0	8.202	81	42.46	190	44.305	21	76.19	349	27.68	10	41.33	268	42.086	75	29.04	200
20.0	8.283	146	40.56	166	44.326	91	72.70	354	27.78	21	38.65	249	42.161	143	27.04	177
30.0	8.429	210	38.90	135	44.417	161	69.16	352	27.99	32	36.16	220	42.304	209	25.27	147
Mai 9.9	8.639	267	37.55	99	44.578	229	65.64	342	28.31	41	33.96	184	42.513	269	23.80	113
19.9	8.906	317	36.56	59	44.807	292	62.22	323	28.72	49	32.12	142	42.782	323	22.67	72
29.9	9.223	359	35.97	18	45.099	348	58.99	299	29.21	57	30.70	96	43.105	366	21.95	32
Juni 8.9	9.582	390	35.79	24	45.447	394	56.00	265	29.78	61	29.74	47	43.471	400	21.63	11
18.8	9.972	410	36.03	65	45.841	432	53.35	226	30.39	66	29.27	2	43.871	423	21.74	53
28.8	10.382	421	36.68	104	46.273	456	51.09	180	31.05	67	29.29	53	44.294	434	22.27	94
Juli 8.8	10.803	419	37.72	141	46.729	468	49.29	129	31.72	67	29.82	100	44.728	435	23.21	131
18.7	11.222	409	39.13	174	47.197	467	48.00	75	32.39	66	30.82	146	45.163	425	24.52	166
28.7	11.631	389	40.87	201	47.664	452	47.25	17	33.05	63	32.28	188	45.588	406	26.18	195
Aug. 7.7	12.020	362	42.88	225	48.116	426	47.08	39	33.68	58	34.16	225	45.994	379	28.13	221
17.7	12.382	328	45.13	243	48.542	388	47.47	95	34.26	54	36.41	257	46.373	346	30.34	242
27.6	12.710	290	47.56	256	48.930	338	48.42	148	34.80	48	38.98	284	46.719	307	32.76	256
Sept. 6.6	13.000	249	50.12	264	49.268	281	49.90	196	35.28	41	41.82	305	47.026	265	35.32	266
16.6	13.249	204	52.76	266	49.549	217	51.86	237	35.69	33	44.87	320	47.291	219	37.98	271
26.6	13.453	159	55.42	264	49.766	149	54.23	269	36.02	25	48.07	328	47.510	173	40.69	270
Okt. 6.5	13.612	112	58.06	256	49.915	78	56.92	290	36.27	18	51.35	330	47.683	125	43.39	264
16.5	13.724	68	60.62	243	49.993	8	59.82	301	36.45	9	54.65	325	47.808	78	46.03	253
26.5	13.792	22	63.05	226	50.001	59	62.83	300	36.54	1	57.90	312	47.886	31	48.56	237
Nov. 5.4	13.814	21	65.31	203	49.942	123	65.83	286	36.55	7	61.02	291	47.917	16	50.93	215
15.4	13.793	64	67.34	176	49.819	179	68.69	263	36.48	16	63.93	264	47.901	61	53.08	189
25.4	13.729	104	69.10	145	49.640	229	71.32	229	36.32	23	66.57	230	47.840	105	54.97	157
Dez. 5.4	13.625	142	70.55	108	49.411	270	73.61	187	36.09	31	68.87	187	47.735	145	56.54	121
15.3	13.483	176	71.63	69	49.141	302	75.48	137	35.78	37	70.74	139	47.590	183	57.75	82
25.3	13.307	204	72.32	28	48.839	324	76.85	84	35.41	43	72.13	87	47.407	213	58.57	39
35.3	13.103		72.60		48.515		77.69		34.98		73.00		47.194		58.96	
Mittl. Ort	8.019		42.51		46.475		76.15		27.99		38.97		41.917		28.75	
sec δ, tg δ	1.501		+1.120		1.868		−1.578		2.629		+2.431		1.565		+1.204	

Mittlere Zeit Greenw.	59) τ Ceti*) AR.		59) τ Ceti*) Dekl.		60) o Piscium AR.		60) o Piscium Dekl.		61) Lac. ε Sculptoris AR.		61) Lac. ε Sculptoris Dekl.		62) ζ Ceti AR.		62) ζ Ceti Dekl.	
	1h 40m		−16° 20′		1h 41m		+8° 45′		1h 41m		−25° 26′		1h 47m		−10° 43′	
1921	s		″		s		″		s		″		s		″	
Jan. 0.3	24.674	137	78.28	83	14.254	120	39.90	67	57.460	150	59.81	88	34.526	125	34.71	87
10.3	24.537	146	79.11	57	14.134	131	39.23	71	57.310	160	60.69	54	34.401	137	35.58	69
20.2	24.391	151	79.68	30	14.003	138	38.52	70	57.150	164	61.23	19	34.264	143	36.27	47
30.2	24.240	150	79.98	2	13.865	138	37.82	68	56.986	162	61.42	17	34.121	145	36.74	25
Feb. 9.2	24.090	140	80.00	25	13.727	132	37.14	64	56.824	154	61.25	52	33.976	138	36.99	1
19.2	23.950	126	79.75	55	13.595	118	36.50	55	56.670	138	60.73	87	33.838	125	37.00	23
März 1.1	23.824	104	79.20	82	13.477	96	35.95	44	56.532	115	59.86	119	33.713	104	36.77	48
11.1	23.720	74	78.38	110	13.381	67	35.51	30	56.417	84	58.67	150	33.609	77	36.29	73
21.1	23.646	40	77.28	136	13.314	31	35.21	11	56.333	49	57.17	179	33.532	43	35.56	99
31.0	23.606	1	75.92	161	13.283	9	35.10	9	56.284	7	55.38	204	33.489	4	34.57	123
Apr. 10.0	23.607	43	74.31	183	13.292	53	35.19	32	56.277	38	53.34	226	33.485	39	33.34	146
20.0	23.650	89	72.48	203	13.345	97	35.51	56	56.315	83	51.08	244	33.524	83	31.88	168
30.0	23.739	132	70.45	218	13.442	142	36.07	81	56.398	131	48.64	257	33.607	127	30.20	187
Mai 9.9	23.871	175	68.27	231	13.584	184	36.88	104	56.529	175	46.07	264	33.734	169	28.33	202
19.9	24.046	212	65.96	236	13.768	221	37.92	127	56.704	215	43.43	266	33.903	207	26.31	212
29.9	24.258	246	63.60	238	13.989	253	39.19	145	56.919	251	40.77	260	34.110	241	24.19	218
Juni 8.9	24.504	272	61.22	232	14.242	278	40.64	161	57.170	280	38.17	249	34.351	268	22.01	218
18.8	24.776	291	58.90	222	14.520	296	42.25	173	57.450	301	35.68	232	34.619	287	19.83	213
28.8	25.067	302	56.68	205	14.816	305	43.98	179	57.751	314	33.36	207	34.906	299	17.70	202
Juli 8.8	25.369	304	54.63	182	15.121	306	45.77	180	58.065	319	31.29	177	35.205	303	15.68	185
18.7	25.673	300	52.81	155	15.427	301	47.57	178	58.384	316	29.52	143	35.508	299	13.83	163
28.7	25.973	287	51.26	123	15.728	287	49.35	169	58.700	304	28.09	103	35.807	289	12.20	137
Aug. 7.7	26.260	267	50.03	88	16.015	269	51.04	157	59.004	285	27.06	62	36.096	271	10.83	107
17.7	26.527	243	49.15	52	16.284	245	52.61	140	59.289	261	26.44	20	36.367	248	9.76	74
27.6	26.770	214	48.63	14	16.529	217	54.01	122	59.550	230	26.24	24	36.615	221	9.02	40
Sept. 6.6	26.984	181	48.49	23	16.746	187	55.23	101	59.780	196	26.48	65	36.836	190	8.62	6
16.6	27.165	147	48.72	57	16.933	155	56.24	78	59.976	159	27.13	103	37.026	158	8.56	27
26.6	27.312	111	49.29	88	17.088	123	57.02	57	60.135	122	28.16	136	37.184	124	8.83	57
Okt. 6.5	27.423	76	50.17	113	17.211	91	57.59	35	60.257	84	29.52	163	37.308	92	9.40	82
16.5	27.499	43	51.30	133	17.302	60	57.94	15	60.341	47	31.15	182	37.400	59	10.22	104
26.5	27.542	11	52.63	147	17.362	31	58.09	3	60.388	12	32.97	194	37.459	28	11.26	119
Nov. 5.4	27.553	20	54.10	153	17.393	3	58.06	19	60.400	21	34.91	197	37.487	1	12.45	128
15.4	27.533	47	55.63	153	17.396	24	57.87	32	60.379	52	36.88	192	37.486	29	13.73	133
25.4	27.486	72	57.16	147	17.372	49	57.55	44	60.327	80	38.80	180	37.457	55	15.06	130
Dez. 5.4	27.414	95	58.63	134	17.323	72	57.11	52	60.247	103	40.60	161	37.402	78	16.36	124
15.3	27.319	113	59.97	117	17.251	93	56.59	60	60.144	125	42.21	137	37.324	99	17.60	113
25.3	27.206	130	61.14	96	17.158	111	55.99	65	60.019	142	43.58	107	37.225	117	18.73	98
35.3	27.076		62.10		17.047		55.34		59.877		44.65		37.108		19.71	
Mittl. Ort	23.869		71.38		13.162		38.24		56.714		50.16		33.606		29.52	
sec δ, tg δ	1.042		−0.294		1.012		+0.154		1.107		−0.476		1.018		−0.189	

*) Die jährliche Parallaxe (0.″31) ist bereits berücksichtigt

Mittlere Zeit Greenw.	64) α Trianguli				63) ε Cassiopeiae				65) ξ Piscium				66) β Arietis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	1h 48m		+29° 11′		1h 48m		+63° 16′		1h 49m		+2° 47′		1h 50m		+20° 25′	
Jan. 0.3	35.819	140	48.35	30	44.37	35	70.85	56	28.897	117	52.01	75	17.599	125	25.87	47
10.3	35.679	156	48.05	55	44.02	38	71.41	1	28.780	130	51.26	70	17.474	141	25.40	62
20.3	35.523	166	47.50	77	43.64	40	71.42	52	28.650	139	50.56	64	17.333	150	24.78	75
30.2	35.357	168	46.73	97	43.24	39	70.90	103	28.511	140	49.92	56	17.183	152	24.03	86
Feb. 9.2	35.189	161	45.76	113	42.85	37	69.87	150	28.371	134	49.36	45	17.031	147	23.17	92
19.2	35.028	144	44.63	125	42.48	33	68.37	192	28.237	122	48.91	31	16.884	132	22.25	96
März 1.1	34.884	119	43.38	130	42.15	27	66.45	224	28.115	102	48.60	16	16.752	110	21.29	95
11.1	34.765	86	42.08	130	41.88	21	64.21	247	28.013	74	48.44	2	16.642	80	20.34	88
21.1	34.679	45	40.78	123	41.67	12	61.74	260	27.939	39	48.46	22	16.562	41	19.46	76
31.1	34.634	3	39.55	110	41.55	3	59.14	262	27.900	1	48.68	44	16.521	1	18.70	60
Apr. 10.0	34.637	52	38.45	92	41.52	7	56.52	254	27.899	42	49.12	67	16.522	48	18.10	40
20.0	34.689	103	37.53	67	41.59	17	53.98	237	27.941	87	49.79	91	16.570	95	17.70	16
30.0	34.792	154	36.86	41	41.76	25	51.61	210	28.028	131	50.70	112	16.665	143	17.54	10
Mai 10.0	34.946	201	36.45	10	42.01	34	49.51	177	28.159	172	51.82	134	16.808	187	17.64	37
19.9	35.147	244	36.35	21	42.35	41	47.74	136	28.331	211	53.16	152	16.995	228	18.01	65
29.9	35.391	279	36.56	52	42.76	47	46.38	94	28.542	243	54.68	168	17.223	261	18.66	91
Juni 8.9	35.670	307	37.08	83	43.23	53	45.44	46	28.785	270	56.36	178	17.484	289	19.57	115
18.8	35.977	326	37.91	110	43.76	56	44.98	0	29.055	288	58.14	185	17.773	307	20.72	137
28.8	36.303	337	39.01	134	44.32	58	44.98	48	29.343	299	59.99	186	18.080	318	22.09	153
Juli 8.8	36.640	340	40.35	156	44.90	59	45.46	93	29.642	303	61.85	182	18.398	321	23.62	166
18.8	36.980	334	41.91	172	45.49	57	46.39	137	29.945	298	63.67	173	18.719	316	25.28	174
28.7	37.314	320	43.63	184	46.06	56	47.76	176	30.243	287	65.40	159	19.035	303	27.02	178
Aug. 7.7	37.634	300	45.47	191	46.62	52	49.52	211	30.530	270	66.99	141	19.338	285	28.80	177
17.7	37.934	276	47.38	194	47.14	48	51.63	243	30.800	247	68.40	120	19.623	261	30.57	172
27.6	38.210	247	49.32	193	47.62	44	54.06	267	31.047	221	69.60	96	19.884	234	32.29	163
Sept. 6.6	38.457	214	51.25	187	48.06	37	56.73	288	31.268	191	70.56	71	20.118	204	33.92	151
16.6	38.671	181	53.12	179	48.43	32	59.61	302	31.459	160	71.27	46	20.322	172	35.43	136
26.6	38.852	146	54.91	167	48.75	25	62.63	310	31.619	129	71.73	21	20.494	140	36.79	120
Okt. 6.5	38.998	112	56.58	154	49.00	18	65.73	312	31.748	97	71.94	3	20.634	107	37.99	103
16.5	39.110	78	58.12	137	49.18	12	68.85	307	31.845	66	71.91	23	20.741	75	39.02	85
26.5	39.188	44	59.49	120	49.30	5	71.92	296	31.911	37	71.68	40	20.816	44	39.87	67
Nov. 5.5	39.232	12	60.69	101	49.35	3	74.88	277	31.948	9	71.28	55	20.860	14	40.54	49
15.4	39.244	20	61.70	80	49.32	9	77.65	253	31.957	19	70.73	65	20.874	15	41.03	31
25.4	39.224	51	62.50	58	49.23	17	80.18	220	31.938	44	70.08	72	20.859	43	41.34	14
Dez. 5.4	39.173	80	63.08	34	49.06	22	82.38	182	31.894	68	69.36	76	20.816	70	41.48	3
15.3	39.093	106	63.42	11	48.84	29	84.20	137	31.826	93	68.60	78	20.746	95	41.45	20
25.3	38.987	130	63.53	15	48.55	33	85.57	88	31.736	108	67.82	77	20.651	116	41.25	37
35.3	38.857		63.38		48.22		86.45		31.628		67.05		20.535		40.88	
Mittl. Ort	34.381		40.34		41.60		54.39		27.827		52.73		16.298		20.73	
sec δ, tg δ	1.145		+0.559		2.224		+1.987		1.001		+0.049		1.067		+0.372	

Mittlere Zeit Greenw.	67) ψ Phoenicis				68) χ Eridani				72) α Hydri				71) υ Ceti			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	1h 50m		−46° 40′		1h 52m		−51° 59′		1h 56m		−61° 56′		1h 56m		−21° 27′	
	s		″		s		″		s		″		s		″	
Jan. 0.3	29.374	237	97.10	84	53.550	275	83.65	80	17.25	39	92.53	71	17.832	140	45.21	97
10.3	29.137	248	97.94	33	53.275	286	84.45	25	16.86	41	93.24	13	17.692	153	46.18	67
20.3	28.889	251	98.27	19	52.989	290	84.70	28	16.45	41	93.37	46	17.539	160	46.85	35
30.2	28.638	247	98.08	69	52.699	283	84.42	81	16.04	40	92.91	101	17.379	161	47.20	3
Feb. 9.2	28.391	233	97.39	117	52.416	269	83.61	132	15.64	38	91.90	155	17.218	156	47.23	31
19.2	28.158	212	96.22	161	52.147	244	82.29	178	15.26	35	90.35	203	17.062	142	46.92	63
März 1.1	27.946	182	94.61	203	51.903	210	80.51	220	14.91	30	88.32	247	16.920	122	46.29	95
11.1	27.764	144	92.58	239	51.693	169	78.31	257	14.61	25	85.85	283	16.798	94	45.34	125
21.1	27.620	98	90.19	269	51.524	118	75.74	288	14.36	18	83.02	314	16.704	60	44.09	154
31.1	27.522	48	87.50	295	51.406	62	72.86	313	14.18	11	79.88	338	16.644	20	42.55	180
Apr. 10.0	27.474	8	84.55	314	51.344	2	69.73	331	14.07	3	76.50	353	16.624	24	40.75	204
20.0	27.482	65	81.41	326	51.342	61	66.42	342	14.04	4	72.97	361	16.648	70	38.71	223
30.0	27.547	124	78.15	332	51.403	124	63.00	345	14.08	13	69.36	361	16.718	116	36.48	239
Mai 10.0	27.671	180	74.83	329	51.527	187	59.55	341	14.21	20	65.75	353	16.834	160	34.09	249
19.9	27.851	232	71.54	319	51.714	244	56.14	328	14.41	28	62.22	337	16.994	201	31.60	254
29.9	28.083	279	68.35	302	51.958	297	52.86	309	14.69	35	58.85	313	17.195	237	29.06	253
Juni 8.9	28.362	318	65.33	276	52.255	341	49.77	281	15.04	40	55.72	281	17.432	267	26.53	245
18.8	28.680	350	62.57	245	52.596	377	46.96	246	15.44	46	52.91	242	17.699	290	24.08	232
28.8	29.030	372	60.12	206	52.973	402	44.50	205	15.90	48	50.49	197	17.989	304	21.76	212
Juli 8.8	29.402	383	58.06	162	53.375	416	42.45	158	16.38	51	48.52	145	18.293	312	19.64	186
18.8	29.785	384	56.44	113	53.791	419	40.87	107	16.89	52	47.07	90	18.605	309	17.78	155
28.7	30.169	374	55.31	61	54.210	410	39.80	51	17.41	51	46.17	32	18.914	301	16.23	119
Aug. 7.7	30.543	355	54.70	6	54.620	391	39.29	4	17.92	49	45.85	27	19.215	285	15.04	81
17.7	30.898	327	54.64	48	55.011	361	39.33	61	18.41	46	46.12	85	19.500	262	14.23	40
27.6	31.225	291	55.12	100	55.372	321	39.94	115	18.87	40	46.97	141	19.762	235	13.83	2
Sept. 6.6	31.516	248	56.12	149	55.693	275	41.09	165	19.27	35	48.38	193	19.997	204	13.85	42
16.6	31.764	200	57.61	193	55.968	222	42.74	209	19.62	28	50.31	237	20.201	170	14.27	80
26.6	31.964	149	59.54	229	56.190	165	44.83	246	19.90	20	52.68	272	20.371	135	15.07	114
Okt. 6.5	32.113	97	61.83	255	56.355	106	47.29	272	20.10	12	55.40	299	20.506	99	16.21	142
16.5	32.210	45	64.38	273	56.461	46	50.01	288	20.22	5	58.39	312	20.605	64	17.63	164
26.5	32.255	7	67.11	279	56.507	11	52.89	293	20.27	4	61.51	315	20.669	31	19.27	178
Nov. 5.5	32.248	55	69.90	275	56.496	67	55.82	287	20.23	11	64.66	305	20.700	3	21.05	184
15.4	32.193	99	72.65	259	56.429	119	58.69	270	20.12	19	67.71	283	20.697	33	22.89	184
25.4	32.094	139	75.24	234	56.310	164	61.39	241	19.93	25	70.54	251	20.664	62	24.73	175
Dez. 5.4	31.955	174	77.58	200	56.146	203	63.80	205	19.68	30	73.05	210	20.602	87	26.48	160
15.3	31.781	203	79.58	160	55.943	237	65.85	161	19.38	34	75.15	161	20.515	110	28.08	139
25.3	31.578	225	81.18	113	55.706	261	67.46	112	19.04	38	76.76	106	20.405	130	29.47	113
35.3	31.353		82.31		55.445		68.58		18.66		77.82		20.275		30.60	
Mittl. Ort	28.780		81.75		52.996		67.18		16.80		74.39		16.960		36.35	
sec δ, tg δ	1.458		−1.061		1.624		−1.280		2.127		−1.877		1.074		−0.393	

Mittlere Zeit Greenw.	70) 50 Cassiopeiae AR.		Dekl.		73) γ Andromedae AR.		Dekl.		74) α Arietis AR.		Dekl.		75) β Trianguli AR.		Dekl.	
1921	1h 56m		+72° 2′		1h 59m		+41° 56′		2h 2m		+23° 5′		2h 4m		+34° 36′	
	s		″		s		″		s		″		s		″	
Jan. 0.3	43.31	54	40.98	88	4.343	174	75.58	8	44.338	126	27.75	36	51.841	147	60.16	6
10.3	42.77	60	41.86	31	4.169	195	75.66	28	44.212	143	27.39	54	51.694	168	60.10	36
20.3	42.17	61	42.17	28	3.974	208	75.38	63	44.069	155	26.85	69	51.526	181	59.74	63
30.2	41.56	61	41.89	86	3.766	212	74.75	96	43.914	159	26.16	83	51.345	186	59.11	89
Feb. 9.2	40.95	58	41.03	139	3.554	205	73.79	126	43.755	156	25.33	93	51.159	182	58.22	111
19.2	40.37	52	39.64	188	3.349	186	72.53	149	43.599	144	24.40	99	50.977	167	57.11	129
März 1.2	39.85	44	37.76	227	3.163	157	71.04	168	43.455	122	23.41	101	50.810	143	55.82	141
11.1	39.41	34	35.49	257	3.006	118	69.36	178	43.333	92	22.40	98	50.667	108	54.41	147
21.1	39.07	22	32.92	277	2.888	70	67.58	179	43.241	55	21.42	89	50.559	66	52.94	145
31.1	38.85	8	30.15	285	2.818	15	65.79	174	43.186	12	20.53	75	50.493	18	51.49	137
Apr. 10.0	38.77	5	27.30	283	2.803	44	64.05	161	43.174	36	19.78	57	50.475	36	50.12	122
20.0	38.82	18	24.47	269	2.847	103	62.44	141	43.210	85	19.21	35	50.511	90	48.90	101
30.0	39.00	32	21.78	246	2.950	163	61.03	114	43.295	134	18.86	9	50.601	145	47.89	77
Mai 10.0	39.32	45	19.32	215	3.113	218	59.89	83	43.429	179	18.77	18	50.746	195	47.12	47
19.9	39.77	55	17.17	176	3.331	267	59.06	50	43.608	222	18.95	45	50.941	242	46.65	15
29.9	40.32	64	15.41	133	3.598	310	58.56	13	43.830	257	19.40	72	51.183	281	46.50	16
Juni 8.9	40.96	71	14.08	86	3.908	343	58.43	24	44.087	287	20.12	98	51.464	313	46.66	49
18.9	41.67	77	13.22	37	4.251	367	58.67	59	44.374	308	21.10	120	51.777	337	47.15	80
28.8	42.44	80	12.85	14	4.618	381	59.26	94	44.682	321	22.30	140	52.114	350	47.95	108
Juli 8.8	43.24	82	12.99	63	4.999	386	60.20	125	45.003	325	23.70	155	52.464	356	49.03	134
18.8	44.06	81	13.62	111	5.385	382	61.45	153	45.328	323	25.25	166	52.820	353	50.37	155
28.7	44.87	78	14.73	156	5.767	369	62.98	177	45.651	312	26.91	172	53.173	343	51.92	173
Aug. 7.7	45.65	75	16.29	198	6.136	349	64.75	196	45.963	295	28.63	174	53.516	324	53.65	186
17.7	46.40	69	18.27	234	6.485	322	66.71	211	46.258	273	30.37	172	53.840	301	55.51	195
27.7	47.09	62	20.61	266	6.807	292	68.82	221	46.531	247	32.09	166	54.141	273	57.46	198
Sept. 6.6	47.71	55	23.27	292	7.099	257	71.03	227	46.778	218	33.75	157	54.414	242	59.44	199
16.6	48.26	47	26.19	313	7.356	219	73.30	228	46.996	188	35.32	145	54.656	208	61.43	195
26.6	48.73	37	29.32	328	7.575	182	75.58	225	47.184	155	36.77	130	54.864	173	63.38	189
Okt. 6.6	49.10	27	32.60	334	7.757	141	77.83	219	47.339	123	38.07	115	55.037	138	65.27	178
16.5	49.37	18	35.94	335	7.898	101	80.02	207	47.462	91	39.22	99	55.175	103	67.05	166
26.5	49.55	7	39.29	329	7.999	62	82.09	193	47.553	59	40.21	82	55.278	66	68.71	151
Nov. 5.5	49.62	4	42.58	313	8.061	21	84.02	174	47.612	27	41.03	65	55.344	30	70.22	133
15.4	49.58	15	45.71	290	8.082	18	85.76	153	47.639	3	41.68	47	55.374	4	71.55	114
25.4	49.43	25	48.61	260	8.064	57	87.29	127	47.636	33	42.15	29	55.370	40	72.69	91
Dez. 5.4	49.18	35	51.21	221	8.007	95	88.56	97	47.603	62	42.44	11	55.330	73	73.60	66
15.4	48.83	45	53.42	175	7.912	129	89.53	66	47.541	89	42.55	7	55.257	106	74.26	40
25.3	48.38	51	55.17	124	7.783	160	90.19	31	47.452	114	42.48	25	55.151	133	74.66	12
35.3	47.87		56.41		7.623		90.50		47.338		42.23		55.018		74.78	
Mittl. Ort	39.30		23.73		2.534		64.50		42.920		22.40		50.184		51.45	
sec δ, tg δ	3.244		+3.085		1.345		+0.899		1.087		+0.426		1.215		+0.690	

Mittlere Zeit Greenw.	76) 55 Cassiopeiae				78) Lac. μ Fornacis				80) 67 Ceti				85) ξ² Ceti			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	2h 8m		+66° 9′		2h 9m		−31° 5′		2h 13m		−6° 46′		2h 23m		+8° 6′	
1921	s		″		s		″		s		″		s		″	
Jan. 0.3	18.97	39	33.91	86	26.650	162	50.22	109	3.602	116	73.11	93	58.688	108	23.48	65
10.3	18.58	42	34.77	32	26.488	177	51.31	70	3.486	133	74.04	77	58.580	127	22.83	66
20.3	18.16	45	35.09	22	26.311	187	52.01	30	3.353	144	74.81	59	58.453	142	22.17	64
30.2	17.71	45	34.87	77	26.124	189	52.31	12	3.209	150	75.40	40	58.311	150	21.53	61
Feb. 9.2	17.26	44	34.10	127	25.935	184	52.19	52	3.059	148	75.80	20	58.161	151	20.92	55
19.2	16.82	40	32.83	173	25.751	171	51.67	91	2.911	139	76.00	2	58.010	144	20.37	48
März 1.2	16.42	34	31.10	210	25.580	151	50.76	129	2.772	121	75.98	25	57.866	127	19.89	37
11.1	16.08	27	29.00	239	25.429	122	49.47	164	2.651	97	75.73	47	57.739	102	19.52	24
21.1	15.81	18	26.61	258	25.307	87	47.83	196	2.554	65	75.26	72	57.637	71	19.28	8
31.1	15.63	8	24.03	267	25.220	45	45.87	223	2.489	27	74.54	96	57.566	33	19.20	10
Apr. 10.1	15.55	2	21.36	264	25.175	1	43.64	247	2.462	15	73.58	120	57.533	11	19.30	31
20.0	15.57	13	18.72	252	25.176	50	41.17	267	2.477	59	72.38	141	57.544	55	19.61	52
30.0	15.70	24	16.20	230	25.226	99	38.50	280	2.536	104	70.97	162	57.599	102	20.13	75
Mai 10.0	15.94	33	13.90	201	25.325	146	35.70	287	2.640	148	69.35	179	57.701	146	20.88	96
19.9	16.27	42	11.89	165	25.471	193	32.83	288	2.788	187	67.56	193	57.847	187	21.84	117
29.9	16.69	50	10.24	124	25.664	233	29.95	282	2.975	224	65.63	202	58.034	224	23.01	134
Juni 8.9	17.19	55	9.00	79	25.897	267	27.13	269	3.199	252	63.61	206	58.258	254	24.35	150
18.9	17.74	60	8.21	33	26.164	294	24.44	249	3.451	276	61.55	205	58.512	277	25.85	160
28.8	18.34	63	7.88	14	26.458	314	21.95	222	3.727	291	59.50	199	58.789	293	27.45	166
Juli 8.8	18.97	64	8.02	61	26.772	324	19.73	189	4.018	298	57.51	186	59.082	302	29.11	169
18.8	19.61	64	8.63	106	27.096	326	17.84	151	4.316	299	55.65	169	59.384	303	30.80	165
28.8	20.25	62	9.69	148	27.422	321	16.33	109	4.615	291	53.96	146	59.687	296	32.45	157
Aug. 7.7	20.87	60	11.17	186	27.743	306	15.24	63	4.906	278	52.50	120	59.983	284	34.02	145
17.7	21.47	56	13.03	220	28.049	285	14.61	15	5.184	259	51.30	90	60.267	267	35.47	129
27.7	22.03	51	15.23	250	28.334	259	14.46	32	5.443	236	50.40	59	60.534	245	36.76	110
Sept. 6.6	22.54	46	17.73	274	28.593	226	14.78	79	5.679	209	49.81	26	60.779	220	37.86	89
16.6	23.00	39	20.47	293	28.819	191	15.57	121	5.888	179	49.55	5	60.999	192	38.75	67
26.6	23.39	32	23.40	306	29.010	154	16.78	159	6.067	149	49.60	36	61.191	163	39.42	45
Okt. 6.6	23.71	25	26.46	312	29.164	114	18.37	189	6.216	118	49.96	61	61.354	134	39.87	23
16.5	23.96	18	29.58	313	29.278	75	20.26	212	6.334	86	50.57	85	61.488	104	40.10	3
26.5	24.14	9	32.71	307	29.353	36	22.38	227	6.420	56	51.42	102	61.592	74	40.13	14
Nov. 5.5	24.23	2	35.78	293	29.389	1	24.65	231	6.476	25	52.44	114	61.666	44	39.99	29
15.5	24.25	7	38.71	272	29.388	36	26.96	227	6.501	3	53.58	121	61.710	15	39.70	41
25.4	24.18	14	41.43	243	29.352	70	29.23	213	6.498	31	54.79	122	61.725	14	39.29	50
Dez. 5.4	24.04	23	43.86	209	29.282	99	31.36	192	6.467	58	56.01	119	61.711	42	38.79	57
15.4	23.81	29	45.95	166	29.183	127	33.28	164	6.409	83	57.20	112	61.669	70	38.22	61
25.3	23.52	36	47.61	118	29.056	150	34.92	131	6.326	105	58.32	100	61.599	96	37.61	64
35.3	23.16		48.79		28.906		36.23		6.221		59.32		61.503		36.97	
Mittl. Ort	15.66		18.31		25.777		38.27		2.501		68.31		57.368		23.95	
sec δ, tg δ	2.474		+2.263		1.168		−0.603		1.007		−0.119		1.010		+0.142	

Mittlere Zeit Greenw.	87) 36 H. Cassiopeiae				90) μ Hydri				89) ν Arietis				91) δ Ceti			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	2h 30m		+72° 28′		2h 33m		−79° 26′		2h 34m		+21° 37′		2h 35m		−0° 0′	
Jan. 0.3	33.83	51	41.25	129	19.62	116	94.93	95	21.138	111	17.25	28	27.163	104	45.24	85
10.3	33.32	58	42.54	76	18.46	122	95.88	$\underline{33}$	21.027	135	16.97	41	27.059	126	46.09	76
20.3	32.74	62	43.30	$\underline{17}$	17.24	125	96.21	27	20.892	153	16.56	55	26.933	142	46.85	65
30.2	32.12	64	43.47	40	15.99	123	95.94	86	20.739	164	16.01	66	26.791	152	47.50	52
Feb. 9.2	31.48	63	43.07	96	14.76	119	95.08	142	20.575	166	15.35	75	26.639	154	48.02	39
19.2	30.85	59	42.11	149	13.57	112	93.66	194	20.409	160	14.60	82	26.485	149	48.41	23
März 1.2	30.26	52	40.62	193	12.45	102	91.72	239	20.249	143	13.78	83	26.336	134	48.64	$\underline{5}$
11.1	29.74	43	38.69	230	11.43	90	89.33	279	20.106	118	12.95	82	26.202	112	48.69	13
21.1	29.31	32	36.39	258	10.53	74	86.54	312	19.988	83	12.13	76	26.090	82	48.56	33
31.1	28.99	19	33.81	275	9.79	59	83.42	337	19.905	$\underline{43}$	11.37	64	26.008	45	48.23	55
Apr. 10.1	28.80	$\underline{5}$	31.06	280	9.20	40	80.05	354	19.862	2	10.73	50	25.963	$\underline{4}$	47.68	76
20.0	28.75	9	28.26	276	8.80	22	76.51	365	19.864	51	10.23	30	25.959	41	46.92	99
30.0	28.84	23	25.50	261	8.58	$\underline{1}$	72.86	366	19.915	101	9.93	$\underline{9}$	26.000	86	45.93	119
Mai 10.0	29.07	36	22.89	238	8.57	18	69.20	360	20.016	148	9.84	15	26.086	130	44.74	140
19.9	29.43	48	20.51	206	8.75	36	65.60	345	20.164	192	9.99	39	26.216	172	43.34	156
29.9	29.91	59	18.45	168	9.11	56	62.15	322	20.356	232	10.38	64	26.388	209	41.78	169
Juni 8.9	30.50	68	16.77	127	9.67	72	58.93	291	20.588	265	11.02	86	26.597	241	40.09	179
18.9	31.18	75	15.50	80	10.39	87	56.02	253	20.853	290	11.88	107	26.838	265	38.30	184
28.8	31.93	80	14.70	$\underline{33}$	11.26	100	53.49	208	21.143	307	12.95	124	27.103	284	36.46	183
Juli 8.8	32.73	83	14.37	15	12.26	109	51.41	158	21.450	318	14.19	138	27.387	294	34.63	179
18.8	33.56	84	14.52	62	13.35	115	49.83	102	21.768	321	15.57	148	27.681	298	32.84	167
28.8	34.40	84	15.14	108	14.50	119	48.81	$\underline{42}$	22.089	315	17.05	154	27.979	294	31.17	152
Aug. 7.7	35.24	81	16.22	151	15.69	118	48.39	18	22.404	304	18.59	155	28.273	283	29.65	132
17.7	36.05	77	17.73	191	16.87	113	48.57	78	22.708	287	20.14	152	28.556	268	28.33	109
27.7	36.82	72	19.64	226	18.00	105	49.35	137	22.995	266	21.66	146	28.824	248	27.24	82
Sept. 6.6	37.54	65	21.90	258	19.05	94	50.72	192	23.261	241	23.12	136	29.072	224	26.42	55
16.6	38.19	57	24.48	283	19.99	78	52.64	240	23.502	214	24.48	125	29.296	198	25.87	26
26.6	38.76	49	27.31	303	20.77	61	55.04	279	23.716	184	25.73	112	29.494	170	25.61	0
Okt. 6.6	39.25	40	30.34	317	21.38	40	57.83	309	23.900	155	26.85	97	29.664	141	25.61	26
16.5	39.65	29	33.51	325	21.78	$\underline{19}$	60.92	328	24.055	124	27.82	83	29.805	111	25.87	47
26.5	39.94	19	36.76	325	21.97	3	64.20	333	24.179	93	28.65	67	29.916	81	26.34	66
Nov. 5.5	40.13	$\underline{8}$	40.01	318	21.94	25	67.53	326	24.272	61	29.32	53	29.997	52	27.00	80
15.5	40.21	4	43.19	303	21.69	47	70.79	307	24.333	$\underline{29}$	29.85	38	30.049	$\underline{21}$	27.80	90
25.4	40.17	16	46.22	280	21.22	66	73.86	276	24.362	3	30.23	24	30.070	8	28.70	95
Dez. 5.4	40.01	27	49.02	248	20.56	83	76.62	236	24.359	35	30.47	$\underline{10}$	30.062	37	29.65	96
15.4	39.74	37	51.50	209	19.73	98	78.98	185	24.324	67	30.57	4	30.025	65	30.61	93
25.4	39.37	47	53.59	163	18.75	110	80.83	130	24.257	97	30.53	18	29.960	91	31.54	89
35.3	38.90		55.22		17.65		82.13		24.160		30.35		29.869		32.43	
Mittl. Ort	29.16		26.47		18.58		75.14		19.57		14.06		25.875		41.74	
sec δ, tg δ	3.321		+3.167		5.464		−5.372		1.076		+0.396		1.000		0.000	

Mittlere Zeit Greenw.	93) ϑ Persei AR.		93) ϑ Persei Dekl.		97) π Ceti AR.		97) π Ceti Dekl.		98) μ Ceti AR.		98) μ Ceti Dekl.		100) 41 Arietis AR.		100) 41 Arietis Dekl.	
1921	$2^h\ 38^m$		+48° 53′		$2^h\ 40^m$		−14° 11′		$2^h\ 40^m$		+9° 46′		$2^h\ 45^m$		+26° 56′	
	s		″		s		″		s		″		s		″	
Jan. 0.3	50.006	180	52.94	62	22.903	117	41.23	114	41.545	101	52.12	61	21.460	112	12.79	7
10.3	49.826	215	53.56	24	22.786	137	42.37	91	41.444	124	51.51	61	21.348	139	12.72	26
20.3	49.611	241	53.80	16	22.649	153	43.28	66	41.320	142	50.90	62	21.209	160	12.46	43
30.3	49.370	255	53.64	56	22.496	164	43.94	39	41.178	153	50.28	59	21.049	174	12.03	61
Feb. 9.2	49.115	257	53.08	92	22.332	165	44.33	10	41.025	156	49.69	56	20.875	178	11.42	76
19.2	48.858	245	52.16	127	22.167	160	44.43	18	40.869	152	49.13	50	20.697	173	10.66	87
März 1.2	48.613	220	50.89	155	22.007	147	44.25	47	40.717	138	48.63	41	20.524	157	9.79	96
11.1	48.393	182	49.34	176	21.860	124	43.78	75	40.579	115	48.22	31	20.367	132	8.83	100
21.1	48.211	134	47.58	189	21.736	95	43.03	103	40.464	85	47.91	16	20.235	98	7.83	98
31.1	48.077	75	45.69	196	21.641	58	42.00	129	40.379	47	47.75	0	20.137	56	6.85	91
Apr. 10.1	48.002	10	43.73	192	21.583	18	40.71	155	40.332	5	47.75	19	20.081	9	5.94	80
20.0	47.992	56	41.81	182	21.565	28	39.16	177	40.327	40	47.94	39	20.072	42	5.14	63
30.0	48.048	125	39.99	163	21.593	73	37.39	196	40.367	87	48.33	61	20.114	94	4.51	43
Mai 10.0	48.173	190	38.36	139	21.666	119	35.43	213	40.454	133	48.94	82	20.208	143	4.08	20
20.0	48.363	251	36.97	110	21.785	161	33.30	224	40.587	175	49.76	103	20.351	190	3.88	4
29.9	48.614	304	35.87	77	21.946	200	31.06	230	40.762	213	50.79	121	20.541	232	3.92	30
Juni 8.9	48.918	348	35.10	42	22.146	234	28.76	231	40.975	245	52.00	136	20.773	267	4.22	55
18.9	49.266	384	34.68	5	22.380	261	26.45	225	41.220	271	53.36	148	21.040	295	4.77	79
28.8	49.650	409	34.63	31	22.641	281	24.20	214	41.491	289	54.84	157	21.335	315	5.56	99
Juli 8.8	50.059	423	34.94	66	22.922	294	22.06	196	41.780	300	56.41	159	21.650	327	6.55	118
18.8	50.482	428	35.60	99	23.216	299	20.10	173	42.080	304	58.00	158	21.977	332	7.73	133
28.8	50.910	424	36.59	129	23.515	297	18.37	144	42.384	300	59.58	153	22.309	328	9.06	143
Aug. 7.7	51.334	411	37.88	156	23.812	289	16.93	112	42.684	290	61.11	142	22.637	319	10.49	150
17.7	51.745	390	39.44	179	24.101	273	15.81	76	42.974	275	62.53	128	22.956	303	11.99	153
27.7	52.135	364	41.23	198	24.374	254	15.05	38	43.249	256	63.81	111	23.259	282	13.52	152
Sept. 6.7	52.499	333	43.21	212	24.628	230	14.67	1	43.505	233	64.92	91	23.541	259	15.04	148
16.6	52.832	297	45.33	223	24.858	202	14.68	38	43.738	207	65.83	70	23.800	232	16.52	141
26.6	53.129	258	47.56	229	25.060	174	15.06	72	43.945	180	66.53	49	24.032	203	17.93	132
Okt. 6.6	53.387	218	49.85	231	25.234	143	15.78	104	44.125	151	67.02	29	24.235	174	19.25	121
16.5	53.605	173	52.16	230	25.377	111	16.82	129	44.276	122	67.31	10	24.409	142	20.46	110
26.5	53.778	129	54.46	222	25.488	79	18.11	149	44.398	93	67.41	7	24.551	109	21.56	97
Nov. 5.5	53.907	81	56.68	212	25.567	47	19.60	161	44.491	63	67.34	22	24.660	76	22.53	84
15.5	53.988	33	58.80	196	25.614	16	21.21	167	44.554	32	67.12	34	24.736	42	23.37	69
25.4	54.021	17	60.76	176	25.630	16	22.88	165	44.586	1	66.78	43	24.778	8	24.06	55
Dez. 5.4	54.004	66	62.52	150	25.614	46	24.53	158	44.587	29	66.35	50	24.786	28	24.61	39
15.4	53.938	114	64.02	120	25.568	75	26.11	144	44.558	58	65.85	55	24.758	63	25.00	22
25.4	53.824	158	65.22	87	25.493	101	27.55	127	44.500	87	65.30	58	24.695	95	25.22	5
35.3	53.666		66.09		25.392		28.82		44.413		64.72		24.600		25.27	
Mittl. Ort	47.657		42.84		21.717		33.29		40.117		52.83		19.733		8.70	
sec δ, tg δ	1.521		+1.146		1.031		−0.253		1.015		+0.172		1.122		+0.508	

Mittlere Zeit Greenw.	101) β Fornacis AR.		101) β Fornacis Dekl.		102) τ² Eridani AR.		102) τ² Eridani Dekl.		103) τ Persei AR.		103) τ Persei Dekl.		104) η Eridani AR.		104) η Eridani Dekl.	
1921	2h 45m		−32° 43′		2h 47m		−21° 19′		2h 48m		+52° 26′		2h 52m		−9° 12′	
Jan. 0.3	48.122	156	86.56	141	28.453	125	55.05	130	41.327	193	34.85	83	35.302	104	49.56	111
10.3	47.966	178	87.97	102	28.328	148	56.35	100	41.134	233	35.68	43	35.198	129	50.67	93
20.3	47.788	196	88.99	59	28.180	166	57.35	68	40.901	263	36.11	1	35.069	147	51.60	71
30.3	47.592	206	89.58	16	28.014	176	58.03	34	40.638	281	36.12	42	34.922	159	52.31	49
Feb. 9.2	47.386	207	89.74	27	27.838	179	58.37	1	40.357	286	35.70	83	34.763	164	52.80	25
19.2	47.179	201	89.47	69	27.659	175	58.36	36	40.071	276	34.87	119	34.599	161	53.05	1
März 1.2	46.978	185	88.78	111	27.484	161	58.00	69	39.795	250	33.68	153	34.438	149	53.06	24
11.2	46.793	161	87.67	148	27.323	139	57.31	102	39.545	212	32.15	178	34.289	129	52.82	50
21.1	46.632	128	86.19	183	27.184	109	56.29	133	39.333	159	30.37	195	34.160	101	52.32	75
31.1	46.504	88	84.36	215	27.075	73	54.96	163	39.174	99	28.42	205	34.059	65	51.57	99
Apr. 10.1	46.416	44	82.21	242	27.002	31	53.33	188	39.075	30	26.37	206	33.994	25	50.58	124
20.0	46.372	5	79.79	265	26.971	15	51.45	212	39.045	42	24.31	198	33.969	18	49.34	147
30.0	46.377	56	77.14	282	26.986	61	49.33	231	39.087	115	22.33	183	33.987	64	47.87	167
Mai 10.0	46.433	106	74.32	292	27.047	109	47.02	245	39.202	186	20.50	161	34.051	110	46.20	185
20.0	46.539	154	71.40	297	27.156	153	44.57	254	39.388	251	18.89	134	34.161	152	44.35	198
29.9	46.693	200	68.43	294	27.309	194	42.03	257	39.639	310	17.55	101	34.313	191	42.37	208
Juni 8.9	46.893	238	65.49	284	27.503	230	39.46	254	39.949	360	16.54	66	34.504	226	40.29	212
18.9	47.131	272	62.65	267	27.733	259	36.92	244	40.309	400	15.88	29	34.730	254	38.17	210
28.9	47.403	298	59.98	242	27.992	281	34.48	228	40.709	429	15.59	9	34.984	274	36.07	204
Juli 8.8	47.701	315	57.56	211	28.273	297	32.20	204	41.138	447	15.68	45	35.258	288	34.03	191
18.8	48.016	324	55.45	174	28.570	304	30.16	176	41.585	455	16.13	80	35.546	296	32.12	172
28.8	48.340	326	53.71	130	28.874	304	28.40	142	42.040	453	16.93	113	35.842	294	30.40	148
Aug. 7.7	48.666	318	52.41	84	29.178	297	26.98	103	42.493	442	18.06	143	36.136	287	28.92	121
17.7	48.984	304	51.57	35	29.475	283	25.95	62	42.935	423	19.49	170	36.423	275	27.71	89
27.7	49.288	284	51.22	16	29.758	264	25.33	18	43.358	397	21.19	192	36.698	257	26.82	54
Sept. 6.7	49.572	257	51.38	66	30.022	240	25.15	26	43.755	365	23.11	210	36.955	236	26.28	20
16.6	49.829	226	52.04	113	30.262	213	25.41	67	44.120	330	25.21	224	37.191	210	26.08	16
26.6	50.055	191	53.17	155	30.475	182	26.08	105	44.450	289	27.45	234	37.401	183	26.24	48
Okt. 6.6	50.246	155	54.72	191	30.657	151	27.13	140	44.739	247	29.79	240	37.584	155	26.72	78
16.5	50.401	116	56.63	220	30.808	117	28.53	167	44.986	199	32.19	241	37.739	124	27.50	104
26.5	50.517	77	58.83	239	30.925	83	30.20	187	45.185	151	34.60	238	37.863	94	28.54	123
Nov. 5.5	50.594	37	61.22	249	31.008	49	32.07	199	45.336	100	36.98	229	37.957	63	29.77	138
15.5	50.631	1	63.71	250	31.057	15	34.06	204	45.436	46	39.27	215	38.020	32	31.15	145
25.4	50.630	40	66.21	240	31.072	18	36.10	199	45.482	9	41.42	197	38.052	0	32.60	147
Dez. 5.4	50.590	75	68.61	221	31.054	51	38.09	188	45.473	63	43.39	172	38.052	31	34.07	143
15.4	50.515	109	70.82	196	31.003	82	39.97	169	45.410	119	45.11	143	38.021	61	35.50	133
25.4	50.406	140	72.78	162	30.921	110	41.66	146	45.291	168	46.54	107	37.960	90	36.83	120
35.3	50.266		74.40		30.811		43.12		45.123		47.61		37.870		38.03	
Mittl. Ort	47.023		73.56		27.280		44.94		38.732		24.74		34.013		42.71	
sec δ, tg δ	1.189		−0.643		1.074		−0.391		1.641		+1.300		1.013		−0.162	

Mittlere Zeit Greenw.	106) ϑ Eridani				105) 47 H. Cephei				107) α Ceti				108) γ Persei			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	$2^h\ 55^m$		$-40°\ 36'$		$2^h\ 55^m$		$+79°\ 6'$		$2^h\ 58^m$		$+3°\ 46'$		$2^h\ 59^m$		$+53°\ 11'$	
Jan. 0.3	$16\overset{s}{.}975$	184	$88\overset{''}{.}97$	156	$38\overset{s}{.}74$	81	$44\overset{''}{.}24$	177	$10\overset{s}{.}287$	94	$46\overset{''}{.}84$	79	$6\overset{s}{.}521$	188	$62\overset{''}{.}78$	95
10.3	16.791	210	90.53	111	37.93	91	46.01	123	10.193	119	46.05	72	6.333	232	63.73	55
20.3	16.581	229	91.64	62	37.02	102	47.24	64	10.074	139	45.33	65	6.101	265	64.28	13
30.3	16.352	241	92.26	14	36.00	106	47.88	4	9.935	154	44.68	56	5.836	287	64.41	29
Feb. 9.2	16.111	243	92.40	34	34.94	106	47.92	57	9.781	160	44.12	46	5.549	294	64.12	71
19.2	15.868	237	92.06	82	33.88	102	47.35	115	9.621	159	43.66	33	5.255	287	63.41	110
März 1.2	15.631	221	91.24	126	32.86	93	46.20	167	9.462	147	43.33	20	4.968	265	62.31	144
11.2	15.410	196	89.98	168	31.93	80	44.53	212	9.315	128	43.13	5	4.703	227	60.87	170
21.1	15.214	160	88.30	207	31.13	63	42.41	249	9.187	99	43.08	12	4.476	176	59.17	191
31.1	15.054	119	86.23	240	30.50	44	39.92	274	9.088	64	43.20	32	4.300	115	57.26	204
Apr. 10.1	14.935	71	83.83	268	30.06	24	37.18	290	9.024	24	43.52	51	4.185	48	55.22	206
20.0	14.864	19	81.15	291	29.82	1	34.28	294	9.000	21	44.03	72	4.137	26	53.16	202
30.0	14.845	36	78.24	308	29.81	20	31.34	287	9.021	66	44.75	93	4.163	101	51.14	188
Mai 10.0	14.881	91	75.16	317	30.01	42	28.47	271	9.087	111	45.68	112	4.264	173	49.26	169
20.0	14.972	145	71.99	320	30.43	62	25.76	246	9.198	155	46.80	130	4.437	240	47.57	143
29.9	15.117	195	68.79	315	31.05	80	23.30	213	9.353	194	48.10	146	4.677	302	46.14	113
Juni 8.9	15.312	239	65.64	302	31.85	95	21.17	175	9.547	227	49.56	157	4.979	355	45.01	78
18.9	15.551	277	62.62	282	32.80	108	19.42	132	9.774	255	51.13	165	5.334	396	44.23	43
28.9	15.828	309	59.80	253	33.88	119	18.10	85	10.029	276	52.78	168	5.730	429	43.80	6
Juli 8.8	16.137	330	57.27	218	35.07	125	17.25	37	10.305	290	54.46	167	6.159	450	43.74	31
18.8	16.467	344	55.09	176	36.32	130	16.88	12	10.595	296	56.13	160	6.609	461	44.05	66
28.8	16.811	348	53.33	128	37.62	131	17.00	60	10.891	295	57.73	149	7.070	462	44.71	99
Aug. 7.7	17.159	345	52.05	78	38.93	129	17.60	107	11.186	289	59.22	132	7.532	453	45.70	130
17.7	17.504	332	51.27	24	40.22	125	18.67	152	11.475	277	60.54	113	7.985	436	47.00	157
27.7	17.836	311	51.03	32	41.47	119	20.19	192	11.752	260	61.67	90	8.421	412	48.57	181
Sept. 6.7	18.147	284	51.35	85	42.66	111	22.11	230	12.012	240	62.57	66	8.833	383	50.38	200
16.6	18.431	251	52.20	136	43.77	100	24.41	264	12.252	215	63.23	40	9.216	348	52.38	217
26.6	18.682	214	53.56	182	44.77	87	27.05	290	12.467	191	63.63	16	9.564	309	54.55	228
Okt. 6.6	18.896	173	55.38	220	45.64	74	29.95	313	12.658	163	63.79	9	9.873	266	56.83	235
16.6	19.069	130	57.58	251	46.38	57	33.08	328	12.821	135	63.70	30	10.139	221	59.18	239
26.5	19.199	85	60.09	271	46.95	40	36.36	337	12.956	106	63.40	48	10.360	170	61.57	238
Nov. 5.5	19.284	39	62.80	281	47.35	22	39.73	337	13.062	77	62.92	62	10.530	119	63.95	231
15.5	19.323	5	65.61	280	47.57	3	43.10	329	13.139	45	62.30	73	10.649	63	66.26	219
25.4	19.318	49	68.41	269	47.60	17	46.39	313	13.184	15	61.57	79	10.712	7	68.45	203
Dez. 5.4	19.269	91	71.10	247	47.43	36	49.52	287	13.199	17	60.78	83	10.719	51	70.48	180
15.4	19.178	130	73.57	217	47.07	55	52.39	253	13.182	49	59.95	82	10.668	107	72.28	152
25.4	19.048	164	75.74	180	46.52	72	54.92	209	13.133	78	59.13	80	10.561	161	73.80	119
35.3	18.884		77.54		45.80		57.01		13.055		58.33		10.400		74.99	
Mittl. Ort	15.841		74.12		30.99		30.90		8.846		50.11		3.809		53.34	
sec δ, tg δ	1.317		—0.858		5.293		+5.197		1.002		+0.066		1.669		+1.337	

Mittlere Zeit Greenw.	109) ρ Persei AR.		109) ρ Persei Dekl.		110) μ Horologii AR.		110) μ Horologii Dekl.	
	$3^h\ 0^m$		+38° 31′		$3^h\ 1^m$		−60° 2′	
1921	s		″		s		″	
Jan. 0.4	8.542	126	72.76	41	46.12	34	55.95	161
10.3	8.416	159	73.17	13	45.78	37	57.56	107
20.3	8.257	187	73.30	15	45.41	40	58.63	50
30.3	8.070	206	73.15	43	45.01	42	59.13	8
Feb. 9.2	7.864	213	72.72	72	44.59	42	59.05	65
19.2	7.651	209	72.00	96	44.17	40	58.40	118
März 1.2	7.442	193	71.04	116	43.77	37	57.22	169
11.2	7.249	167	69.88	131	43.40	34	55.53	215
21.1	7.082	128	68.57	141	43.06	29	53.38	255
31.1	6.954	83	67.16	143	42.77	23	50.83	290
Apr. 10.1	6.871	29	65.73	139	42.54	16	47.93	318
20.1	6.842	28	64.34	129	42.38	9	44.75	339
30.0	6.870	85	63.05	113	42.29	1	41.36	352
Mai 10.0	6.955	143	61.92	91	42.28	7	37.84	357
20.0	7.098	196	61.01	67	42.35	14	34.27	354
29.9	7.294	245	60.34	40	42.49	22	30.73	343
Juni 8.9	7.539	286	59.94	11	42.71	29	27.30	323
18.9	7.825	319	59.83	18	43.00	35	24.07	295
28.9	8.144	345	60.01	46	43.35	40	21.12	258
Juli 8.8	8.489	361	60.47	74	43.75	43	18.54	215
18.8	8.850	368	61.21	97	44.18	47	16.39	166
28.8	9.218	368	62.18	119	44.65	48	14.73	110
Aug. 7.8	9.586	361	63.37	136	45.13	48	13.63	51
17.7	9.947	346	64.73	151	45.61	47	13.12	9
27.7	10.293	327	66.24	163	46.08	45	13.21	71
Sept. 6.7	10.620	303	67.87	169	46.53	40	13.92	130
16.6	10.923	276	69.56	172	46.93	36	15.22	184
26.6	11.199	245	71.28	174	47.29	30	17.06	233
Okt. 6.6	11.444	212	73.02	172	47.59	24	19.39	274
16.6	11.656	178	74.74	168	47.83	16	22.13	303
26.5	11.834	142	76.42	160	47.99	10	25.16	323
Nov. 5.5	11.976	103	78.02	150	48.09	2	28.39	329
15.5	12.079	63	79.52	138	48.11	6	31.68	323
25.4	12.142	20	80.90	123	48.05	13	34.91	305
Dez. 5.4	12.162	22	82.13	104	47.92	20	37.96	277
15.4	12.140	64	83.17	83	47.72	26	40.73	238
25.4	12.076	105	84.00	59	47.46	31	43.11	192
35.3	11.971		84.59		47.15		45.03	
Mittl. Ort	6.448		66.60		44.90		37.89	
sec δ, tg δ	1.278		+0.797		2.003		−1.735	

Mittlere Zeit Greenw.	111) β Persei AR.		111) β Persei Dekl.		114) δ Arietis AR.		114) δ Arietis Dekl.	
	$3^h\ 3^m$		+40° 39′		$3^h\ 7^m$		+19° 25′	
1921	s		″		s		″	
Jan. 0.4	3.481	130	14.80	51	8.168	92	44.63	26
10.3	3.351	166	15.31	22	8.076	121	44.37	35
20.3	3.185	194	15.53	8	7.955	146	44.02	44
30.3	2.991	214	15.45	40	7.809	162	43.58	53
Feb. 9.2	2.777	221	15.05	68	7.647	170	43.05	58
19.2	2.556	219	14.37	96	7.477	171	42.47	64
März 1.2	2.337	203	13.41	118	7.306	159	41.83	65
11.2	2.134	175	12.23	135	7.147	139	41.18	64
21.1	1.959	137	10.88	147	7.008	110	40.54	58
31.1	1.822	89	9.41	151	6.898	72	39.96	50
Apr. 10.1	1.733	34	7.90	149	6.826	30	39.46	36
20.1	1.699	23	6.41	140	6.796	18	39.10	21
30.0	1.722	84	5.01	125	6.814	67	38.89	3
Mai 10.0	1.806	142	3.76	104	6.881	114	38.86	18
20.0	1.948	197	2.72	80	6.995	161	39.04	39
29.9	2.145	248	1.92	52	7.156	202	39.43	60
Juni 8.9	2.393	290	1.40	23	7.358	239	40.03	80
18.9	2.683	325	1.17	7	7.597	268	40.83	98
28.9	3.008	352	1.24	36	7.865	290	41.81	112
Juli 8.8	3.360	368	1.60	64	8.155	305	42.93	124
18.8	3.728	378	2.24	91	8.460	313	44.17	132
28.8	4.106	377	3.15	113	8.773	313	45.49	135
Aug. 7.8	4.483	371	4.28	133	9.086	308	46.84	135
17.7	4.854	357	5.61	149	9.394	296	48.19	130
27.7	5.211	337	7.10	163	9.690	280	49.49	124
Sept. 6.7	5.548	313	8.73	171	9.970	260	50.73	113
16.6	5.861	286	10.44	178	10.230	237	51.86	100
26.6	6.147	255	12.22	180	10.467	212	52.86	87
Okt. 6.6	6.402	221	14.02	181	10.679	185	53.73	73
16.6	6.623	187	15.83	177	10.864	156	54.46	59
26.5	6.810	148	17.60	171	11.020	127	55.05	46
Nov. 5.5	6.958	109	19.31	162	11.147	96	55.51	33
15.5	7.067	66	20.93	151	11.243	63	55.84	21
25.4	7.133	24	22.44	135	11.306	29	56.05	10
Dez. 5.4	7.157	21	23.79	117	11.335	5	56.15	0
15.4	7.136	66	24.96	95	11.330	40	56.15	9
25.4	7.070	108	25.91	69	11.290	75	56.06	19
35.3	6.962		26.60		11.215		55.87	
Mittl. Ort	1.303		8.35		6.472		43.89	
sec δ, tg δ	1.318		+0.859		1.060		+0.353	

Mittlere Zeit Greenw.	117) 12 Eridani AR.		117) 12 Eridani Dekl.		115) 48 H. Cephei AR.		115) 48 H. Cephei Dekl.		120) α Persei AR.		120) α Persei Dekl.		121) o Tauri AR.		121) o Tauri Dekl.	
1921	$3^h\ 8^m$	Diff.	−29° 17′	Diff.	$3^h\ 10^m$	Diff.	+77° 26′	Diff.	$3^h\ 18^m$	Diff.	+49° 34′	Diff.	$3^h\ 20^m$	Diff.	+8° 44′	Diff.
	s		″		s		″		s		″		s		″	
Jan. 0.4	44.089	134	64.72	156	21.32	64	59.76	188	43.044	149	59.34	97	35.170	81	63.34	64
10.3	43.955	162	66.28	119	20.68	76	61.64	136	42.895	195	60.31	62	35.089	112	62.70	61
20.3	43.793	183	67.47	80	19.92	85	63.00	80	42.700	232	60.93	25	34.977	136	62.09	58
30.3	43.610	198	68.27	39	19.07	90	63.80	21	42.468	257	61.18	—14	34.841	154	61.51	55
Feb. 9.3	43.412	204	68.66	—2	18.17	93	64.01	—39	42.211	271	61.04	51	34.687	165	60.96	49
19.2	43.208	202	68.64	43	17.24	89	63.62	97	41.940	270	60.53	88	34.522	167	60.47	42
März 1.2	43.006	191	68.21	84	16.35	83	62.65	149	41.670	255	59.65	119	34.355	159	60.05	33
11.2	42.815	171	67.37	121	15.52	73	61.16	196	41.415	224	58.46	147	34.196	142	59.72	23
21.1	42.644	141	66.16	157	14.79	60	59.20	235	41.191	182	56.99	167	34.054	116	59.49	10
31.1	42.503	106	64.59	189	14.19	43	56.85	262	41.009	129	55.32	180	33.938	83	59.39	—4
Apr. 10.1	42.397	63	62.70	219	13.76	26	54.23	281	40.880	67	53.52	186	33.855	43	59.43	22
20.1	42.334	16	60.51	243	13.50	6	51.42	288	40.813	1	51.66	183	33.812	—1	59.65	39
30.0	42.318	—33	58.08	264	13.44	—13	48.54	284	40.812	—69	49.83	173	33.813	48	60.04	59
Mai 10.0	42.351	82	55.44	278	13.57	31	45.70	272	40.881	137	48.10	157	33.861	94	60.63	78
20.0	42.433	130	52.66	285	13.88	49	42.98	250	41.018	201	46.53	135	33.955	138	61.41	96
30.0	42.563	176	49.81	287	14.37	66	40.48	220	41.219	261	45.18	108	34.093	179	62.37	113
Juni 8.9	42.739	216	46.94	282	15.03	80	38.28	185	41.480	313	44.10	78	34.272	215	63.50	127
18.9	42.955	251	44.12	269	15.83	92	36.43	144	41.793	356	43.32	47	34.487	245	64.77	138
28.9	43.206	278	41.43	248	16.75	102	34.99	100	42.149	390	42.85	13	34.732	269	66.15	144
Juli 8.8	43.484	298	38.95	222	17.77	109	33.99	53	42.539	413	42.72	—19	35.001	286	67.59	148
18.8	43.782	311	36.73	189	18.86	113	33.46	7	42.952	427	42.91	52	35.287	294	69.07	145
28.8	44.093	315	34.84	149	19.99	115	33.39	—41	43.379	432	43.43	81	35.581	298	70.52	139
Aug. 7.8	44.408	313	33.35	105	21.14	115	33.80	87	43.811	429	44.24	109	35.879	295	71.91	129
17.7	44.721	303	32.30	57	22.29	113	34.67	132	44.240	417	45.33	134	36.174	285	73.20	114
27.7	45.024	287	31.73	9	23.42	108	35.99	172	44.657	398	46.67	155	36.459	273	74.34	96
Sept. 6.7	45.311	265	31.64	—41	24.50	101	37.71	211	45.055	375	48.22	173	36.732	254	75.30	76
16.7	45.576	239	32.05	88	25.51	92	39.82	244	45.430	346	49.95	188	36.986	235	76.06	55
26.6	45.815	209	32.93	132	26.43	82	42.26	272	45.776	313	51.83	199	37.221	211	76.61	33
Okt. 6.6	46.024	176	34.25	171	27.25	71	44.98	297	46.089	276	53.82	207	37.432	186	76.94	13
16.6	46.200	141	35.96	202	27.96	58	47.95	314	46.365	235	55.89	210	37.618	160	77.07	—7
26.5	46.341	104	37.98	225	28.54	43	51.09	326	46.600	192	57.99	212	37.778	131	77.00	23
Nov. 5.5	46.445	66	40.23	239	28.97	27	54.35	328	46.792	145	60.11	207	37.909	102	76.77	37
15.5	46.511	28	42.62	244	29.24	10	57.63	325	46.937	94	62.18	199	38.011	70	76.40	48
25.5	46.539	—9	45.06	239	29.34	—7	60.88	310	47.031	42	64.17	186	38.081	38	75.92	55
Dez. 5.4	46.530	47	47.45	224	29.27	24	63.98	289	47.073	—14	66.03	168	38.119	4	75.37	60
15.4	46.483	82	49.69	203	29.03	40	66.87	257	47.059	68	67.71	145	38.123	—30	74.77	62
25.4	46.401	117	51.72	175	28.63	56	69.44	218	46.991	122	69.16	118	38.093	63	74.15	63
35.4	46.284		53.47		28.07		71.62		46.869		70.34		38.030		73.52	
Mittl. Ort	42.834		52.26		14.26		47.88		40.409		52.18		33.568		66.19	
sec δ, tg δ	1.147		—0.561		4.601		+4.491		1.542		+1.174		1.012		+0.154	

Mittlere Zeit Greenw.	122) 2 H. Camelop.				125) *f* Tauri				127) ε Eridani*)				131) δ Persei			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	$3^h\,22^m$		$+59°\,39'$		$3^h\,26^m$		$+12°\,39'$		$3^h\,29^m$		$-9°\,43'$		$3^h\,37^m$		$+47°\,32'$	
Jan. 0.4	$42^s.815$	210	$67''.81$	138	$32^s.194$	78	$58''.41$	48	$13^s.904$	91	$37''.98$	125	$20^s.171$	122	$15''.47$	101
10.3	42.605	267	69.19	98	32.116	109	57.93	50	13.813	121	39.23	105	20.049	170	16.48	70
20.3	42.338	315	70.17	54	32.007	135	57.43	51	13.692	145	40.28	83	19.879	210	17.18	37
30.3	42.023	347	70.71	6	31.872	156	56.92	51	13.547	163	41.11	59	19.669	241	17.55	2
Feb. 9.3	41.676	364	70.77	39	31.716	167	56.41	49	13.384	174	41.70	34	19.428	259	17.57	34
19.2	41.312	362	70.38	86	31.549	171	55.92	47	13.210	176	42.04	8	19.169	263	17.23	68
März 1.2	40.950	342	69.52	126	31.378	163	55.45	42	13.034	170	42.12	17	18.906	253	16.55	100
11.2	40.608	303	68.26	163	31.215	147	55.03	36	12.864	153	41.95	44	18.653	229	15.55	126
21.1	40.305	249	66.63	191	31.068	121	54.67	26	12.711	129	41.51	70	18.424	192	14.29	148
31.1	40.056	182	64.72	212	30.947	88	54.41	14	12.582	97	40.81	95	18.232	144	12.81	163
Apr. 10.1	39.874	104	62.60	223	30.859	47	54.27	0	12.485	58	39.86	119	18.088	87	11.18	170
20.1	39.770	21	60.37	226	30.812	3	54.27	17	12.427	15	38.67	143	18.001	24	9.48	170
30.0	39.749	67	58.11	221	30.809	44	54.44	34	12.412	30	37.24	163	17.977	43	7.78	164
Mai 10.0	39.816	153	55.90	207	30.853	91	54.78	54	12.442	75	35.61	181	18.020	108	6.14	150
20.0	39.969	234	53.83	186	30.944	136	55.32	72	12.517	120	33.80	196	18.128	173	4.64	132
30.0	40.203	309	51.97	159	31.080	178	56.04	89	12.637	161	31.84	205	18.301	230	3.32	109
Juni 8.9	40.512	376	50.38	127	31.258	215	56.93	106	12.798	198	29.79	211	18.531	284	2.23	83
18.9	40.888	432	49.11	93	31.473	245	57.99	118	12.996	230	27.68	210	18.815	328	1.40	53
28.9	41.320	475	48.18	56	31.718	270	59.17	128	13.226	255	25.58	204	19.143	363	0.87	24
Juli 8.8	41.795	507	47.62	18	31.988	288	60.45	134	13.481	273	23.54	192	19.506	391	0.63	6
18.8	42.302	528	47.44	20	32.276	298	61.79	135	13.754	285	21.62	175	19.897	407	0.69	34
28.8	42.830	536	47.64	58	32.574	301	63.14	133	14.039	290	19.87	151	20.304	416	1.03	64
Aug. 7.8	43.366	535	48.22	92	32.875	299	64.47	126	14.329	288	18.36	123	20.720	416	1.67	89
17.7	43.901	523	49.14	126	33.174	291	65.73	115	14.617	281	17.13	91	21.136	409	2.56	113
27.7	44.424	502	50.40	156	33.465	279	66.88	102	14.898	268	16.22	56	21.545	395	3.69	132
Sept. 6.7	44.926	474	51.96	182	33.744	261	67.90	85	15.166	251	15.66	20	21.940	375	5.01	150
16.7	45.400	439	53.78	205	34.005	242	68.75	67	15.417	231	15.46	17	22.315	351	6.51	164
26.6	45.839	399	55.83	224	34.247	219	69.42	49	15.648	208	15.63	52	22.666	323	8.15	175
Okt. 6.6	46.238	350	58.07	240	34.466	195	69.91	31	15.856	181	16.15	83	22.989	290	9.90	183
16.6	46.588	298	60.47	250	34.661	169	70.22	13	16.037	154	16.98	112	23.279	253	11.73	190
26.5	46.886	241	62.97	256	34.830	141	70.35	1	16.191	125	18.10	133	23.532	213	13.63	191
Nov. 5.5	47.127	179	65.53	256	34.971	110	70.34	14	16.316	93	19.43	149	23.745	169	15.54	189
15.5	47.306	112	68.09	250	35.081	79	70.20	25	16.409	62	20.92	159	23.914	121	17.43	185
25.5	47.418	41	70.59	238	35.160	46	69.95	33	16.471	28	22.51	161	24.035	70	19.28	175
Dez. 5.4	47.459	31	72.97	220	35.206	11	69.62	38	16.499	6	24.12	158	24.105	15	21.03	161
15.4	47.428	103	75.17	194	35.217	25	69.24	43	16.493	41	25.70	148	24.120	39	22.64	143
25.4	47.325	173	77.11	163	35.192	59	68.81	46	16.452	73	27.18	134	24.081	93	24.07	119
35.4	47.152		78.74		35.133		68.35		16.379		28.52		23.988		25.26	
Mittl. Ort	39.464		59.21		30.515		60.51		12.456		29.81		17.540		10.21	
sec δ, tg δ	1.980		+1.709		1.025		+0.225		1.015		−0.171		1.481		+1.093	

*) Die jährliche Parallaxe ($0''.32$) ist bereits berücksichtigt

Mittlere Zeit Greenw.	134) ν Persei				138) 5 H. Camelop.				139) η Tauri				141) β Reticuli			
	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ
1921	3h 39m		+42° 19′		3h 41m		+71° 5′		3h 42m		+23° 51′		3h 43m		−65° 2′	
Jan. 0.4	51.652 s	104	52.62″	80	64.72 s	33	34.81″	196	49.022 s	73	42.55″	0	14.03 s	38	97.49″	210
10.3	51.548	148	53.42	54	64.39	43	36.77	154	48.949	108	42.55	10	13.65	44	99.59	159
20.3	51.400	185	53.96	26	63.96	51	38.31	104	48.841	140	42.45	22	13.21	48	101.18	102
30.3	51.215	214	54.22	5	63.45	57	39.35	51	48.701	164	42.23	33	12.73	51	102.20	45
Feb. 9.3	51.001	232	54.17	36	62.88	59	39.86	3	48.537	180	41.90	43	12.22	53	102.65	13
19.2	50.769	238	53.81	64	62.29	61	39.83	59	48.357	187	41.47	53	11.69	52	102.52	69
März 1.2	50.531	229	53.17	91	61.68	58	39.24	109	48.170	181	40.94	60	11.17	51	101.83	123
11.2	50.302	209	52.26	113	61.10	52	38.15	156	47.989	166	40.34	65	10.66	47	100.60	174
21.2	50.093	175	51.13	131	60.58	45	36.59	196	47.823	140	39.69	67	10.19	42	98.86	219
31.1	49.918	131	49.82	142	60.13	35	34.63	227	47.683	106	39.02	64	9.77	37	96.67	259
Apr. 10.1	49.787	80	48.40	146	59.78	24	32.36	249	47.577	64	38.38	57	9.40	29	94.08	293
20.1	49.707	22	46.94	145	59.54	11	29.87	262	47.513	17	37.81	47	9.11	21	91.15	321
30.0	49.685	39	45.49	137	59.43	1	27.25	264	47.496	32	37.34	34	8.90	13	87.94	341
Mai 10.0	49.724	100	44.12	123	59.44	15	24.61	258	47.528	83	37.00	17	8.77	3	84.53	353
20.0	49.824	158	42.89	104	59.59	28	22.03	243	47.611	131	36.83	1	8.74	6	81.00	357
30.0	49.982	213	41.85	83	59.87	39	19.60	220	47.742	176	36.84	19	8.80	15	77.43	353
Juni 8.9	50.195	262	41.02	58	60.26	50	17.40	191	47.918	217	37.03	39	8.95	24	73.90	340
18.9	50.457	302	40.44	31	60.76	59	15.49	157	48.135	250	37.42	57	9.19	31	70.50	318
28.9	50.759	336	40.13	4	61.35	66	13.92	118	48.385	279	37.99	74	9.50	39	67.32	287
Juli 8.9	51.095	360	40.09	22	62.01	73	12.74	79	48.664	298	38.73	87	9.89	45	64.45	249
18.8	51.455	377	40.31	48	62.74	77	11.95	36	48.962	312	39.60	98	10.34	49	61.96	203
28.8	51.832	384	40.79	72	63.51	79	11.59	7	49.274	319	40.58	105	10.83	53	59.93	150
Aug. 7.8	52.216	384	41.51	92	64.30	81	11.66	49	49.593	318	41.63	110	11.36	55	58.43	93
17.7	52.600	378	42.43	111	65.11	79	12.15	90	49.911	313	42.73	111	11.91	56	57.50	31
27.7	52.978	365	43.54	127	65.90	78	13.05	128	50.224	302	43.84	108	12.47	54	57.19	32
Sept. 6.7	53.343	347	44.81	139	66.68	75	14.33	165	50.526	287	44.92	103	13.01	51	57.51	94
16.7	53.690	326	46.20	149	67.43	70	15.98	198	50.813	269	45.95	95	13.52	48	58.45	154
26.6	54.016	299	47.69	157	68.13	64	17.96	226	51.082	248	46.90	87	14.00	41	59.99	209
Okt. 6.6	54.315	270	49.26	161	68.77	57	20.22	252	51.330	224	47.77	79	14.41	35	62.08	256
16.6	54.585	237	50.87	163	69.34	50	22.74	272	51.554	197	48.56	68	14.76	28	64.64	296
26.6	54.822	201	52.50	163	69.84	41	25.46	287	51.751	169	49.24	59	15.04	18	67.60	323
Nov. 5.5	55.023	161	54.13	161	70.25	30	28.33	295	51.920	138	49.83	49	15.22	10	70.83	339
15.5	55.184	118	55.74	154	70.55	20	31.28	296	52.058	104	50.32	41	15.32	0	74.22	342
25.5	55.302	72	57.28	145	70.75	8	34.24	291	52.162	68	50.73	34	15.32	8	77.64	333
Dez. 5.4	55.374	22	58.73	133	70.83	4	37.15	276	52.230	29	51.07	25	15.24	18	80.97	312
15.4	55.396	27	60.06	117	70.79	16	39.91	253	52.259	10	51.32	17	15.06	26	84.09	279
25.4	55.369	77	61.23	96	70.63	27	42.44	221	52.249	51	51.49	7	14.80	34	86.88	238
35.4	55.292		62.19		70.36		44.65		52.198		51.56		14.46		89.26	
Mittl. Ort	49.231		48.58		59.52		26.51		47.093		42.76		12.21		79.57	
sec δ, tg δ	1.353		+0.911		3.086		+2.919		1.093		+0.442		2.371		−2.150	

Mittlere Zeit Greenw.	140) τ^6 Eridani AR.		Dekl.		143) *g* Eridani AR.		Dekl.		146) γ Hydri AR.		Dekl.		144) ζ Persei AR.		Dekl.	
1921	$3^h 43^m$		−23° 28′		$3^h 46^m$		−36° 26′		$3^h 48^m$		−74° 28′		$3^h 49^m$		+31° 38′	
Jan. 0.4	28.344 s	102	67.56″	173	31.323 s	136	33.91″	200	29.27 s	66	71.75″	208	11.835 s	75	61.68″	36
10.4	28.242	134	69.29	143	31.187	172	35.91	161	28.61	74	73.83	155	11.760	115	62.04	20
20.3	28.108	162	70.72	109	31.015	201	37.52	118	27.87	81	75.38	98	11.645	150	62.24	3
30.3	27.946	182	71.81	72	30.814	224	38.70	73	27.06	86	76.36	41	11.495	178	62.27	17
Feb. 9.3	27.764	197	72.53	35	30.590	238	39.43	25	26.20	87	76.77	18	11.317	195	62.10	35
19.2	27.567	201	72.88	2	30.352	242	39.68	21	25.33	88	76.59	75	11.122	203	61.75	54
März 1.2	27.366	196	72.86	40	30.110	237	39.47	67	24.45	84	75.84	128	10.919	199	61.21	69
11.2	27.170	182	72.46	76	29.873	220	38.80	110	23.61	79	74.56	178	10.720	183	60.52	82
21.2	26.988	158	71.70	111	29.653	195	37.70	152	22.82	71	72.78	223	10.537	156	59.70	91
31.1	26.830	127	70.59	143	29.458	161	36.18	189	22.11	63	70.55	262	10.381	120	58.79	95
Apr. 10.1	26.703	89	69.16	174	29.297	119	34.29	222	21.48	52	67.93	296	10.261	75	57.84	94
20.1	26.614	46	67.42	201	29.178	72	32.07	252	20.96	39	64.97	322	10.186	25	56.90	89
30.1	26.568	1	65.41	223	29.106	21	29.55	275	20.57	27	61.75	341	10.161	27	56.01	78
Mai 10.0	26.569	48	63.18	242	29.085	31	26.80	293	20.30	13	58.34	353	10.188	81	55.23	65
20.0	26.617	96	60.76	255	29.116	84	23.87	304	20.17	1	54.81	356	10.269	133	54.58	47
30.0	26.713	141	58.21	262	29.200	135	20.83	308	20.18	15	51.25	351	10.402	181	54.11	27
Juni 8.9	26.854	182	55.59	262	29.335	181	17.75	303	20.33	29	47.74	337	10.583	225	53.84	7
18.9	27.036	217	52.97	256	29.516	223	14.72	292	20.62	42	44.37	314	10.808	262	53.77	15
28.9	27.253	248	50.41	243	29.739	258	11.80	273	21.04	53	41.23	283	11.070	292	53.92	35
Juli 8.9	27.501	271	47.98	223	29.997	287	9.07	245	21.57	63	38.40	244	11.362	315	54.27	53
18.8	27.772	288	45.75	196	30.284	309	6.62	210	22.20	72	35.96	198	11.677	331	54.80	71
28.8	28.060	298	43.79	163	30.593	322	4.52	169	22.92	78	33.98	144	12.008	338	55.51	85
Aug. 7.8	28.358	300	42.16	125	30.915	327	2.83	121	23.70	82	32.54	87	12.346	340	56.36	96
17.8	28.658	296	40.91	81	31.242	326	1.62	71	24.52	83	31.67	26	12.686	334	57.32	105
27.7	28.954	287	40.10	36	31.568	317	0.91	17	25.35	82	31.41	37	13.020	325	58.37	110
Sept. 6.7	29.241	272	39.74	11	31.885	300	0.74	38	26.17	79	31.78	100	13.345	310	59.47	113
16.7	29.513	253	39.85	58	32.185	279	1.12	92	26.96	72	32.78	159	13.655	292	60.60	114
26.6	29.766	229	40.43	101	32.464	252	2.04	142	27.68	63	34.37	214	13.947	271	61.74	112
Okt. 6.6	29.995	202	41.44	142	32.716	221	3.46	187	28.31	53	36.51	261	14.218	246	62.86	109
16.6	30.197	173	42.86	176	32.937	185	5.33	226	28.84	40	39.12	300	14.464	218	63.95	105
26.6	30.370	140	44.62	204	33.122	146	7.59	255	29.24	27	42.12	326	14.682	188	65.00	100
Nov. 5.5	30.510	106	46.66	222	33.268	105	10.14	275	29.51	12	45.38	342	14.870	155	66.00	95
15.5	30.616	71	48.88	232	33.373	63	12.89	284	29.63	4	48.80	343	15.025	119	66.95	88
25.5	30.687	33	51.20	233	33.436	18	15.73	282	29.59	19	52.23	334	15.144	79	67.83	80
Dez. 5.5	30.720	6	53.53	225	33.454	27	18.55	271	29.40	33	55.57	311	15.223	36	68.63	72
15.4	30.714	43	55.78	211	33.427	70	21.26	250	29.07	47	58.68	278	15.259	7	69.35	60
25.4	30.671	81	57.89	188	33.357	112	23.76	220	28.60	58	61.46	236	15.252	51	69.95	48
35.4	30.590		59.77		33.245		25.96		28.02		63.82		15.201		70.43	
Mittl. Ort	26.881		56.07		29.851		19.85		26.76		53.40		9.710		60.55	
sec δ, tg δ	1.090		−0.434		1.243		−0.738		3.738		−3.601		1.175		+0.616	

Mittlere Zeit Greenw.	145) 9 H. Camelop. AR.		145) Dekl.		147) ε Persei AR.		147) Dekl.		148) ξ Persei AR.		148) Dekl.		149) γ Eridani AR.		149) Dekl.	
1921	3h 50m		+60° 52′		3h 52m		+39° 46′		3h 53m		+35° 33′		3h 54m		−13° 43′	
	s		″		s		″		s		″		s		″	
Jan. 0.4	26.91	18	50.36	165	35.198	85	60.82	75	52.320	77	55.57	56	22.104	77	66.35	150
10.4	26.73	25	52.01	128	35.113	131	61.57	52	52.243	119	56.13	38	22.027	111	67.85	128
20.3	26.48	30	53.29	86	34.982	170	62.09	28	52.124	158	56.51	16	21.916	140	69.13	102
30.3	26.18	36	54.15	42	34.812	200	62.37	1	51.966	186	56.67	—6	21.776	163	70.15	75
Feb. 9.3	25.82	37	54.57	—6	34.612	221	62.38	—26	51.780	206	56.61	29	21.613	178	70.90	45
19.2	25.45	39	54.51	52	34.391	229	62.12	53	51.574	215	56.32	51	21.435	185	71.35	16
März 1.2	25.06	37	53.99	96	34.162	224	61.59	77	51.359	211	55.81	71	21.250	183	71.51	—14
11.2	24.69	35	53.03	136	33.938	207	60.82	98	51.148	195	55.10	88	21.067	172	71.37	43
21.2	24.34	29	51.67	170	33.731	178	59.84	115	50.953	167	54.22	101	20.895	150	70.94	72
31.1	24.05	24	49.97	196	33.553	138	58.69	125	50.786	130	53.21	109	20.745	121	70.22	100
Apr. 10.1	23.81	16	48.01	214	33.415	89	57.44	131	50.656	84	52.12	111	20.624	85	69.22	127
20.1	23.65	7	45.87	224	33.326	34	56.13	130	50.572	33	51.01	108	20.539	44	67.95	153
30.1	23.58	—2	43.63	224	33.292	—24	54.83	123	50.539	—22	49.93	100	20.495	—1	66.42	174
Mai 10.0	23.60	10	41.39	218	33.316	82	53.60	111	50.561	79	48.93	88	20.496	46	64.68	194
20.0	23.70	19	39.21	203	33.398	139	52.49	95	50.640	132	48.05	71	20.542	92	62.74	209
30.0	23.89	27	37.18	181	33.537	193	51.54	75	50.772	183	47.34	52	20.634	136	60.65	219
Juni 8.9	24.16	35	35.37	156	33.730	241	50.79	53	50.955	230	46.82	30	20.770	174	58.46	224
18.9	24.51	41	33.81	124	33.971	283	50.26	28	51.185	268	46.52	9	20.944	208	56.22	224
28.9	24.92	46	32.57	91	34.254	316	49.98	4	51.453	300	46.43	—14	21.152	239	53.98	217
Juli 8.9	25.38	50	31.66	56	34.570	341	49.94	—19	51.753	325	46.57	35	21.391	260	51.81	204
18.8	25.88	54	31.10	19	34.911	360	50.13	43	52.078	342	46.92	54	21.651	277	49.77	185
28.8	26.42	55	30.91	—17	35.271	369	50.56	64	52.420	351	47.46	72	21.928	286	47.92	160
Aug. 7.8	26.97	55	31.08	53	35.640	371	51.20	82	52.771	353	48.18	87	22.214	290	46.32	129
17.8	27.52	56	31.61	87	36.011	368	52.02	98	53.124	350	49.05	99	22.504	287	45.03	95
27.7	28.08	54	32.48	119	36.379	357	53.00	112	53.474	340	50.04	109	22.791	280	44.08	56
Sept. 6.7	28.62	52	33.67	147	36.736	343	54.12	122	53.814	326	51.13	115	23.071	267	43.52	16
16.7	29.14	48	35.14	174	37.079	324	55.34	131	54.140	307	52.28	119	23.338	250	43.36	—24
26.6	29.62	46	36.88	197	37.403	300	56.65	137	54.447	286	53.47	122	23.588	230	43.60	62
Okt. 6.6	30.08	41	38.85	217	37.703	274	58.02	141	54.733	262	54.69	123	23.818	207	44.22	99
16.6	30.49	36	41.02	232	37.977	244	59.43	142	54.995	232	55.92	121	24.025	182	45.21	130
26.6	30.85	30	43.34	243	38.221	210	60.85	142	55.227	202	57.13	120	24.207	152	46.51	156
Nov. 5.5	31.15	24	45.77	250	38.431	173	62.27	141	55.429	167	58.33	115	24.359	122	48.07	174
15.5	31.39	17	48.27	250	38.604	132	63.68	136	55.596	128	59.48	111	24.481	89	49.81	185
25.5	31.56	10	50.77	244	38.736	87	65.04	129	55.724	86	60.59	104	24.570	54	51.66	190
Dez. 5.5	31.66	2	53.21	232	38.823	40	66.33	119	55.810	42	61.63	94	24.624	17	53.56	187
15.4	31.68	—6	55.53	213	38.863	—9	67.52	106	55.852	—4	62.57	83	24.641	—19	55.43	176
25.4	31.62	14	57.66	187	38.854	58	68.58	89	55.848	51	63.40	69	24.622	56	57.19	162
35.4	31.48		59.53		38.796		69.47		55.797		64.09		24.566		58.81	
Mittl. Ort	23.27		44.08		32.818		58.27		50.069		53.96		20.553		56.83	
sec δ, tg δ	2.055		+1.795		1.301		+0.833		1.229		+0.715		1.029		−0.244	

Mittlere Zeit Greenw.	150) λ Tauri AR.		150) λ Tauri Dekl.		151) ν Tauri AR.		151) ν Tauri Dekl.		152) c Persei AR.		152) c Persei Dekl.		154) o¹ Eridani AR.		154) o¹ Eridani Dekl.	
1921	3ʰ 56ᵐ		+12° 15′		3ʰ 58ᵐ		+5° 46′		4ʰ 2ᵐ		+47° 29′		4ʰ 8ᵐ		−7° 2′	
Jan. 0.4	19.840	59	61.56	50	58.838	57	10.42	77	57.929	95	73.54	115	2.133	60	42.03	132
10.4	19.781	94	61.06	49	58.781	93	9.65	72	57.834	148	74.69	89	2.073	96	43.35	115
20.3	19.687	125	60.57	47	58.688	124	8.93	63	57.686	194	75.58	59	1.977	127	44.50	95
30.3	19.562	151	60.10	46	58.564	149	8.30	55	57.492	231	76.17	26	1.850	153	45.45	73
Feb. 9.3	19.411	168	59.64	43	58.415	166	7.75	46	57.261	255	76.43	—8	1.697	170	46.18	51
19.2	19.243	176	59.21	40	58.249	174	7.29	35	57.006	268	76.35	42	1.527	180	46.69	27
März 1.2	19.067	175	58.81	36	58.075	173	6.94	24	56.738	264	75.93	75	1.347	181	46.96	3
11.2	18.892	162	58.45	29	57.902	162	6.70	12	56.474	246	75.18	105	1.166	170	46.99	—21
21.2	18.730	141	58.16	21	57.740	141	6.58	—2	56.228	214	74.13	128	0.996	152	46.78	45
31.1	18.589	110	57.95	11	57.599	112	6.60	18	56.014	171	72.85	146	0.844	124	46.33	69
Apr. 10.1	18.479	73	57.84	—2	57.487	76	6.78	34	55.843	118	71.39	159	0.720	90	45.64	93
20.1	18.406	31	57.86	17	57.411	34	7.12	51	55.725	57	69.80	164	0.630	50	44.71	116
30.1	18.375	—16	58.03	32	57.377	—10	7.63	69	55.668	—8	68.16	162	0.580	6	43.55	136
Mai 10.0	18.391	62	58.35	49	57.387	55	8.32	87	55.676	74	66.54	154	0.574	—39	42.19	156
20.0	18.453	108	58.84	66	57.442	101	9.19	103	55.750	138	65.00	140	0.613	83	40.63	172
30.0	18.561	151	59.50	82	57.543	144	10.22	117	55.888	200	63.60	122	0.696	126	38.91	184
Juni 8.9	18.712	191	60.32	96	57.687	182	11.39	130	56.088	254	62.38	100	0.822	166	37.07	192
18.9	18.903	224	61.28	107	57.869	215	12.69	139	56.342	303	61.38	74	0.988	200	35.15	196
28.9	19.127	251	62.35	117	58.084	243	14.08	143	56.645	342	60.64	48	1.188	229	33.19	193
Juli 8.9	19.378	273	63.52	122	58.327	265	15.51	144	56.987	373	60.16	20	1.417	253	31.26	185
18.8	19.651	287	64.74	123	58.592	280	16.95	140	57.360	396	59.96	—7	1.670	270	29.41	172
28.8	19.938	296	65.97	120	58.872	288	18.35	131	57.756	410	60.03	34	1.940	280	27.69	152
Aug. 7.8	20.234	298	67.17	113	59.160	291	19.66	118	58.166	415	60.37	58	2.220	286	26.17	128
17.8	20.532	294	68.30	102	59.451	288	20.84	101	58.581	414	60.95	82	2.506	285	24.89	99
27.7	20.826	286	69.32	89	59.739	281	21.85	81	58.995	406	61.77	102	2.791	278	23.90	67
Sept. 6.7	21.112	274	70.21	72	60.020	269	22.66	59	59.401	391	62.79	121	3.069	269	23.23	33
16.7	21.386	259	70.93	54	60.289	254	23.25	34	59.792	372	64.00	136	3.338	255	22.90	—3
26.6	21.645	240	71.47	36	60.543	236	23.59	10	60.164	348	65.36	150	3.593	237	22.93	37
Okt. 6.6	21.885	219	71.83	18	60.779	215	23.69	—12	60.512	320	66.86	160	3.830	217	23.30	70
16.6	22.104	195	72.01	1	60.994	192	23.57	34	60.832	286	68.46	169	4.047	193	24.00	98
26.6	22.299	169	72.02	—13	61.186	166	23.23	51	61.118	249	70.15	175	4.240	167	24.98	123
Nov. 5.5	22.468	140	71.89	25	61.352	138	22.72	65	61.367	206	71.90	178	4.407	138	26.21	140
15.5	22.608	109	71.64	35	61.490	107	22.07	75	61.573	159	73.68	177	4.545	107	27.61	152
25.5	22.717	75	71.29	41	61.597	73	21.32	82	61.732	108	75.45	172	4.652	73	29.13	158
Dez. 5.5	22.792	39	70.88	46	61.670	38	20.50	83	61.840	52	77.17	164	4.725	37	30.71	157
15.4	22.831	1	70.42	47	61.708	0	19.67	83	61.892	—5	78.81	150	4.762	—1	32.28	150
25.4	22.832	—37	69.95	48	61.708	37	18.84	80	61.887	63	80.31	131	4.761	39	33.78	139
35.4	22.795		69.47		61.671		18.04		61.824		81.62		4.722		35.17	
Mittl. Ort	18.049		65.20		57.117		15.67		55.189		70.42		0.488		33.67	
sec δ, tg δ	1.023		+0.217		1.005		+0.101		1.480		+1.091		1.008		−0.124	

Mittlere Zeit Greenw.	155) α Horologii AR.		155) α Horologii Dekl.		156) α Reticuli AR.		156) α Reticuli Dekl.	
	4h 11m	Δ	−42° 29'	Δ	4h 13m	Δ	−62° 39'	Δ
1921	s		"		s		"	
Jan. 0.4	24.560	142	33.85	233	26.24	30	93.54	247
10.4	24.418	184	36.18	192	25.94	37	96.01	200
20.3	24.234	221	38.10	147	25.57	42	98.01	148
30.3	24.013	249	39.57	99	25.15	45	99.49	92
Feb. 9.3	23.764	268	40.56	49	24.70	49	100.41	35
19.3	23.496	278	41.05	1	24.21	49	100.76	22
März 1.2	23.218	276	41.04	51	23.72	48	100.54	76
11.2	22.942	263	40.53	99	23.24	47	99.78	129
21.2	22.679	239	39.54	143	22.77	42	98.49	178
31.1	22.440	207	38.11	185	22.35	38	96.71	222
Apr. 10.1	22.233	166	36.26	222	21.97	32	94.49	261
20.1	22.067	117	34.04	255	21.65	24	91.88	293
30.1	21.950	65	31.49	281	21.41	17	88.95	320
Mai 10.0	21.885	9	28.68	302	21.24	9	85.75	339
20.0	21.876	47	25.66	316	21.15	0	82.36	350
30.0	21.923	102	22.50	321	21.15	8	78.86	351
Juni 9.0	22.025	155	19.29	320	21.23	17	75.35	346
18.9	22.180	203	16.09	309	21.40	24	71.89	331
28.9	22.383	245	13.00	290	21.64	32	68.58	307
Juli 8.9	22.628	280	10.10	264	21.96	37	65.51	273
18.8	22.908	310	7.46	229	22.33	43	62.78	233
28.8	23.218	330	5.17	186	22.76	47	60.45	184
Aug. 7.8	23.548	343	3.31	138	23.23	50	58.61	130
17.8	23.891	347	1.93	85	23.73	51	57.31	70
27.7	24.238	343	1.08	28	24.24	51	56.61	7
Sept. 6.7	24.581	332	0.80	31	24.75	50	56.54	56
16.7	24.913	314	1.11	88	25.25	47	57.10	119
26.7	25.227	289	1.99	143	25.72	42	58.29	178
Okt. 6.6	25.516	258	3.42	194	26.14	37	60.07	230
16.6	25.774	221	5.36	236	26.51	31	62.37	276
26.6	25.995	181	7.72	272	26.82	24	65.13	311
Nov. 5.5	26.176	135	10.44	295	27.06	16	68.24	334
15.5	26.311	88	13.39	309	27.22	7	71.58	346
25.5	26.399	39	16.48	310	27.29	1	75.04	344
Dez. 5.5	26.438	13	19.58	301	27.28	10	78.48	331
15.4	26.425	64	22.59	282	27.18	18	81.79	307
25.4	26.361	113	25.41	253	27.00	26	84.86	271
35.4	26.248		27.94		26.74		87.57	
Mittl. Ort	22.907		19.09		24.16		76.66	
sec δ, tg δ	1.356		−0.916		2.178		−1.935	

Mittlere Zeit Greenw.	160) υ4 Eridani AR.		160) υ4 Eridani Dekl.		162) δ Tauri AR.		162) δ Tauri Dekl.	
	4h 14m	Δ	−33° 59'	Δ	4h 18m	Δ	+17° 21'	Δ
1921	s		"		s		"	
Jan. 0.4	55.814	107	39.48	219	24.522	42	26.23	26
10.4	55.707	146	41.67	184	24.480	82	25.97	27
20.3	55.561	181	43.51	144	24.398	118	25.70	29
30.3	55.380	209	44.95	101	24.280	147	25.41	32
Feb. 9.3	55.171	228	45.96	56	24.133	169	25.09	34
19.3	54.943	238	46.52	10	23.964	182	24.75	36
März 1.2	54.705	238	46.62	35	23.782	183	24.39	36
11.2	54.467	227	46.27	79	23.599	175	24.03	37
21.2	54.240	208	45.48	121	23.424	156	23.66	33
31.1	54.032	177	44.27	159	23.268	128	23.33	29
Apr. 10.1	53.855	140	42.68	194	23.140	91	23.04	21
20.1	53.715	96	40.74	227	23.049	49	22.83	12
30.1	53.619	48	38.47	253	23.000	4	22.71	2
Mai 10.0	53.571	2	35.94	274	22.996	44	22.73	15
20.0	53.573	54	33.20	289	23.040	91	22.88	29
30.0	53.627	103	30.31	297	23.131	136	23.17	45
Juni 9.0	53.730	150	27.34	298	23.267	177	23.62	60
18.9	53.880	193	24.36	291	23.444	213	24.22	72
28.9	54.073	231	21.45	276	23.657	244	24.94	83
Juli 8.9	54.304	262	18.69	254	23.901	268	25.77	92
18.8	54.566	287	16.15	223	24.169	285	26.69	96
28.8	54.853	304	13.92	185	24.454	297	27.65	97
Aug. 7.8	55.157	314	12.07	142	24.751	302	28.62	95
17.8	55.471	318	10.65	94	25.053	302	29.57	90
27.7	55.789	315	9.71	41	25.355	298	30.47	81
Sept. 6.7	56.104	304	9.30	14	25.653	289	31.28	70
16.7	56.408	289	9.44	68	25.942	276	31.98	57
26.7	56.697	268	10.12	119	26.218	261	32.55	44
Okt. 6.6	56.965	241	11.31	167	26.479	242	32.99	30
16.6	57.206	211	12.98	209	26.721	220	33.29	18
26.6	57.417	177	15.07	242	26.941	195	33.47	7
Nov. 5.5	57.594	139	17.49	266	27.136	168	33.54	3
15.5	57.733	98	20.15	281	27.304	136	33.51	10
25.5	57.831	54	22.96	284	27.440	101	33.41	15
Dez. 5.5	57.885	9	25.80	278	27.541	63	33.26	18
15.4	57.894	36	28.58	262	27.604	23	33.08	21
25.4	57.858	80	31.20	236	27.627	19	32.87	23
35.4	57.778		33.56		27.608		32.64	
Mittl. Ort	54.189		26.03		22.586		29.90	
sec δ, tg δ	1.206		−0.674		1.048		+0.313	

Mittlere Zeit Greenw.	164) ε Tauri				168) α Tauri				171) α Doradus				169) ν Eridani			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	$4^h\ 24^m$		+19° 0′		$4^h\ 31^m$		+16° 20′		$4^h\ 32^m$		−55° 12′		$4^h\ 32^m$		−3° 30′	
Jan. 0.4	2.060	38	19.23	17	25.081	32	61.17	31	19.356	198	43.37	266	23.986	40	55.16	126
10.4	2.022	79	19.06	20	25.049	73	60.86	31	19.158	255	46.03	223	23.946	78	56.42	111
20.4	1.943	115	18.86	23	24.976	110	60.55	31	18.903	303	48.26	176	23.868	113	57.53	94
30.3	1.828	147	18.63	26	24.866	142	60.24	31	18.600	343	50.02	122	23.755	143	58.47	75
Feb. 9.3	1.681	170	18.37	30	24.724	166	59.93	31	18.257	369	51.24	69	23.612	165	59.22	56
19.3	1.511	183	18.07	34	24.558	181	59.62	33	17.888	384	51.93	13	23.447	179	59.78	35
März 1.2	1.328	187	17.73	36	24.377	185	59.29	32	17.504	385	52.06	41	23.268	182	60.13	15
11.2	1.141	178	17.37	38	24.192	179	58.97	31	17.119	374	51.65	94	23.086	178	60.28	7
21.2	0.963	160	16.99	36	24.013	162	58.66	28	16.745	349	50.71	143	22.908	161	60.21	28
31.2	0.803	133	16.63	35	23.851	135	58.38	23	16.396	312	49.28	190	22.747	138	59.93	49
Apr. 10.1	0.670	96	16.28	28	23.716	101	58.15	16	16.084	264	47.38	230	22.609	105	59.44	71
20.1	0.574	55	16.00	20	23.615	61	57.99	6	15.820	209	45.08	267	22.504	67	58.73	91
30.1	0.519	8	15.80	8	23.554	15	57.93	5	15.611	147	42.41	296	22.437	26	57.82	112
Mai 10.1	0.511	39	15.72	5	23.539	31	57.98	19	15.464	79	39.45	320	22.411	19	56.70	130
20.0	0.550	87	15.77	18	23.570	78	58.17	32	15.385	10	36.25	335	22.430	64	55.40	146
30.0	0.637	132	15.95	34	23.648	122	58.49	47	15.375	59	32.90	343	22.494	106	53.94	159
Juni 9.0	0.769	174	16.29	48	23.770	165	58.96	60	15.434	128	29.47	341	22.600	146	52.35	169
18.9	0.943	211	16.77	61	23.935	201	59.56	71	15.562	192	26.06	332	22.746	183	50.66	174
28.9	1.154	242	17.38	72	24.136	232	60.27	82	15.754	250	22.74	313	22.929	213	48.92	175
Juli 8.9	1.396	267	18.10	82	24.368	258	61.09	88	16.004	303	19.61	286	23.142	239	47.17	170
18.9	1.663	285	18.92	87	24.626	277	61.97	92	16.307	346	16.75	249	23.381	258	45.47	159
28.8	1.948	298	19.79	89	24.903	291	62.89	93	16.653	381	14.26	204	23.639	272	43.88	144
Aug. 7.8	2.246	304	20.68	89	25.194	298	63.82	89	17.034	406	12.22	154	23.911	281	42.44	123
17.8	2.550	305	21.57	86	25.492	300	64.71	83	17.440	421	10.68	97	24.192	283	41.21	98
27.8	2.855	301	22.43	78	25.792	297	65.54	73	17.861	425	9.71	36	24.475	281	40.23	70
Sept. 6.7	3.156	293	23.21	68	26.089	290	66.27	61	18.286	418	9.35	26	24.756	274	39.53	38
16.7	3.449	282	23.89	58	26.379	280	66.88	47	18.704	400	9.61	90	25.030	265	39.15	5
26.7	3.731	266	24.47	46	26.659	266	67.35	34	19.104	372	10.51	149	25.295	250	39.10	26
Okt. 6.6	3.997	249	24.93	34	26.925	250	67.69	19	19.476	336	12.00	205	25.545	234	39.36	57
16.6	4.246	227	25.27	23	27.175	229	67.88	7	19.812	290	14.05	253	25.779	213	39.93	86
26.6	4.473	203	25.50	13	27.404	206	67.95	5	20.102	237	16.58	293	25.992	191	40.79	108
Nov. 5.6	4.676	175	25.63	5	27.610	179	67.90	15	20.339	178	19.51	321	26.183	163	41.87	126
15.5	4.851	143	25.68	1	27.789	148	67.75	21	20.517	113	22.72	338	26.346	132	43.13	139
25.5	4.994	108	25.67	6	27.937	114	67.54	25	20.630	45	26.10	342	26.478	100	44.52	145
Dez. 5.5	5.102	70	25.61	10	28.051	75	67.29	27	20.675	24	29.52	335	26.578	62	45.97	146
15.5	5.172	29	25.51	12	28.126	35	67.02	29	20.651	92	32.87	316	26.640	24	47.43	140
25.4	5.201	14	25.39	13	28.161	8	66.73	29	20.559	159	36.03	287	26.664	17	48.83	132
35.4	5.187		25.26		28.153		66.44		20.400		38.90		26.647		50.15	
Mittl. Ort	0.081		22.88		23.123		65.71		17.352		27.71		22.233		46.90	
sec δ, tg δ	1.058		+0.344		1.042		+0.293		1.753		−1.439		1.002		−0.061	

Mittlere Zeit Greenw.	172) 53 Eridani AR.		Dekl.		174) τ Tauri AR.		Dekl.		173) Gr. 848 AR.		Dekl.		175) 4 Camelop. AR.		Dekl.	
1921	4h 34m		−14° 27′		4h 37m		+22° 48′		4h 38m		+75° 47′		4h 41m		+56° 36′	
Jan. 0.4	35.384	50	37.71	173	32.160	28	19.79	4	17.65	28	63.18	253	28.364	75	67.59	176
10.4	35.334	89	39.44	150	32.132	72	19.83	1	17.37	44	65.71	221	28.289	149	69.35	151
20.4	35.245	124	40.94	125	32.060	111	19.82	6	16.93	58	67.92	178	28.140	214	70.86	121
30.3	35.121	154	42.19	96	31.949	145	19.76	12	16.35	69	69.70	130	27.926	270	72.07	86
Feb. 9.3	34.967	177	43.15	66	31.804	172	19.64	19	15.66	77	71.00	77	27.656	310	72.93	46
19.3	34.790	190	43.81	36	31.632	188	19.45	27	14.89	82	71.77	20	27.346	336	73.39	5
März 1.3	34.600	195	44.17	5	31.444	193	19.18	33	14.07	82	71.97	35	27.010	344	73.44	37
11.2	34.405	189	44.22	25	31.251	188	18.85	39	13.25	79	71.62	90	26.666	333	73.07	76
21.2	34.216	173	43.97	56	31.063	171	18.46	43	12.46	73	70.72	140	26.333	305	72.31	112
31.2	34.043	150	43.41	86	30.892	144	18.03	44	11.73	63	69.32	184	26.028	261	71.19	144
Apr. 10.1	33.893	117	42.55	113	30.748	109	17.59	42	11.10	51	67.48	220	25.767	204	69.75	167
20.1	33.776	80	41.42	139	30.639	68	17.17	37	10.59	36	65.28	247	25.563	136	68.08	186
30.1	33.696	37	40.03	164	30.571	21	16.80	29	10.23	20	62.81	265	25.427	63	66.22	195
Mai 10.1	33.659	7	38.39	184	30.550	28	16.51	19	10.03	3	60.16	274	25.364	15	64.27	198
20.0	33.666	52	36.55	201	30.578	76	16.32	7	10.00	13	57.42	274	25.379	94	62.29	195
30.0	33.718	97	34.54	214	30.654	122	16.25	7	10.13	29	54.68	264	25.473	169	60.34	184
Juni 9.0	33.815	137	32.40	221	30.776	166	16.32	21	10.42	45	52.04	248	25.642	240	58.50	167
19.0	33.952	175	30.19	223	30.942	205	16.53	34	10.87	59	49.56	225	25.882	303	56.83	147
28.9	34.127	208	27.96	218	31.147	237	16.87	46	11.46	72	47.31	196	26.185	359	55.36	123
Juli 8.9	34.335	235	25.78	208	31.384	265	17.33	57	12.18	82	45.35	161	26.544	406	54.13	97
18.9	34.570	256	23.70	190	31.649	285	17.90	65	13.00	91	43.74	125	26.950	443	53.16	67
28.8	34.826	271	21.80	166	31.934	299	18.55	70	13.91	98	42.49	85	27.393	470	52.49	38
Aug. 7.8	35.097	282	20.14	138	32.233	309	19.25	73	14.89	103	41.64	44	27.863	488	52.11	9
17.8	35.379	285	18.76	103	32.542	311	19.98	72	15.92	105	41.20	2	28.351	498	52.02	21
27.8	35.664	284	17.73	65	32.853	310	20.70	70	16.97	106	41.18	40	28.849	499	52.23	50
Sept. 6.7	35.948	278	17.08	24	33.163	304	21.40	64	18.03	106	41.58	81	29.348	493	52.73	76
16.7	36.226	268	16.84	17	33.467	294	22.04	57	19.09	102	42.39	121	29.841	479	53.49	102
26.7	36.494	254	17.01	59	33.761	281	22.61	49	20.11	97	43.60	158	30.320	458	54.51	126
Okt. 6.7	36.748	235	17.60	97	34.042	264	23.10	41	21.08	90	45.18	193	30.778	432	55.77	147
16.6	36.983	214	18.57	132	34.306	244	23.51	33	21.98	83	47.11	225	31.210	398	57.24	167
26.6	37.197	189	19.89	161	34.550	221	23.84	27	22.81	72	49.36	251	31.608	356	58.91	184
Nov. 5.6	37.386	161	21.50	184	34.771	193	24.11	21	23.53	60	51.87	275	31.964	307	60.75	197
15.5	37.547	128	23.34	198	34.964	161	24.32	17	24.13	46	54.62	290	32.271	251	62.72	206
25.5	37.675	93	25.32	205	35.125	126	24.49	14	24.59	32	57.52	298	32.522	188	64.78	212
Dez. 5.5	37.768	55	27.37	204	35.251	86	24.63	11	24.91	15	60.50	299	32.710	118	66.90	211
15.5	37.823	15	29.41	197	35.337	42	24.74	10	25.06	2	63.49	290	32.828	44	69.01	204
25.4	37.838	26	31.38	182	35.379	1	24.84	7	25.04	19	66.39	271	32.872	32	71.05	190
35.4	37.812		33.20		35.378		24.91		24.85		69.10		32.840		72.95	
Mittl. Ort	33.676		27.49		30.079		23.51		10.47		60.12		24.922		66.61	
sec δ, tg δ	1.033		−0.258		1.085		+0.420		4.077		+3.952		1.818		+1.518	

Mittlere Zeit Greenw.	178) 9 Camelop. AR.		Dekl.		180) π^5 Orionis AR.		Dekl.		181) ι Aurigae AR.		Dekl.		183) ε Aurigae AR.		Dekl.	
1921	$4^h\ 46^m$		+66° 12′		$4^h\ 50^m$		+2° 18′		$4^h\ 51^m$		+33° 2′		$4^h\ 56^m$		+43° 42′	
Jan. 0.4	$15^s.65$	12	39.34″	221	$9^s.944$	22	36.52″	103	$53^s.123$	18	29.29″	60	$20^s.493$	25	26.09″	118
10.4	15.53	22	41.55	193	9.922	62	35.49	92	53.105	69	29.89	51	20.468	82	27.27	103
20.4	15.31	31	43.48	158	9.860	100	34.57	79	53.036	115	30.40	39	20.386	137	28.30	84
30.3	15.00	39	45.06	117	9.760	133	33.78	66	52.921	154	30.79	24	20.249	182	29.14	61
Feb. 9.3	14.61	44	46.23	70	9.627	159	33.12	51	52.767	186	31.03	8	20.067	220	29.75	34
19.3	14.17	47	46.93	21	9.468	175	32.61	36	52.581	207	31.11	9	19.847	243	30.09	6
März 1.3	13.70	48	47.14	28	9.293	183	32.25	21	52.374	216	31.02	28	19.604	254	30.15	23
11.2	13.22	48	46.86	76	9.110	180	32.04	6	52.158	212	30.74	45	19.350	251	29.92	50
21.2	12.74	43	46.10	120	8.930	167	31.98	10	51.946	195	30.29	59	19.099	233	29.42	76
31.2	12.31	38	44.90	159	8.763	144	32.08	27	51.751	169	29.70	70	18.866	202	28.66	98
Apr. 10.1	11.93	30	43.31	191	8.619	115	32.35	43	51.582	132	29.00	78	18.664	161	27.68	115
20.1	11.63	21	41.40	214	8.504	77	32.78	61	51.450	88	28.22	82	18.503	111	26.53	126
30.1	11.42	12	39.26	231	8.427	37	33.39	78	51.362	38	27.40	82	18.392	54	25.27	133
Mai 10.1	11.30	1	36.95	238	8.390	7	34.17	94	51.324	14	26.58	77	18.338	5	23.94	133
20.0	11.29	9	34.57	237	8.397	51	35.11	109	51.338	67	25.81	69	18.343	66	22.61	129
30.0	11.38	19	32.20	229	8.448	95	36.20	123	51.405	117	25.12	57	18.409	125	21.32	119
Juni 9.0	11.57	29	29.91	214	8.543	135	37.43	133	51.522	166	24.55	45	18.534	179	20.13	107
19.0	11.86	38	27.77	193	8.678	171	38.76	141	51.688	209	24.10	30	18.713	229	19.06	91
28.9	12.24	45	25.84	168	8.849	204	40.17	143	51.897	246	23.80	15	18.942	274	18.15	73
Juli 8.9	12.69	52	24.16	138	9.053	230	41.60	142	52.143	277	23.65	0	19.216	310	17.42	53
18.9	13.21	58	22.78	105	9.283	251	43.02	137	52.420	303	23.65	14	19.526	341	16.89	34
28.8	13.79	61	21.73	71	9.534	267	44.39	126	52.723	320	23.79	26	19.867	362	16.55	14
Aug. 7.8	14.40	65	21.02	37	9.801	278	45.65	110	53.043	332	24.05	38	20.229	377	16.41	6
17.8	15.05	66	20.65	1	10.079	282	46.75	91	53.375	339	24.43	46	20.606	387	16.47	23
27.8	15.71	66	20.66	36	10.361	283	47.66	67	53.714	339	24.89	53	20.993	389	16.70	41
Sept. 6.7	16.37	66	21.02	70	10.644	280	48.33	42	54.053	336	25.42	58	21.382	386	17.11	56
16.7	17.03	64	21.72	104	10.924	272	48.75	15	54.389	327	26.00	62	21.768	378	17.67	70
26.7	17.67	62	22.76	135	11.196	261	48.90	13	54.716	316	26.62	64	22.146	366	18.37	83
Okt. 6.7	18.29	58	24.11	165	11.457	246	48.77	39	55.032	300	27.26	66	22.512	348	19.20	95
16.6	18.87	54	25.76	192	11.703	229	48.38	63	55.332	280	27.92	68	22.860	325	20.15	105
26.6	19.41	47	27.68	215	11.932	208	47.75	83	55.612	256	28.60	69	23.185	297	21.20	116
Nov. 5.6	19.88	41	29.83	234	12.140	183	46.92	99	55.868	228	29.29	71	23.482	263	22.36	124
15.5	20.29	33	32.17	248	12.323	154	45.93	110	56.096	192	30.00	72	23.745	224	23.60	131
25.5	20.62	24	34.65	257	12.477	120	44.83	116	56.288	153	30.72	73	23.969	177	24.91	135
Dez. 5.5	20.86	15	37.22	258	12.597	84	43.67	117	56.441	110	31.45	72	24.146	125	26.26	136
15.5	21.01	4	39.80	251	12.681	45	42.50	114	56.551	61	32.17	71	24.271	69	27.62	134
25.4	21.05	6	42.31	236	12.726	3	41.36	107	56.612	10	32.88	66	24.340	10	28.96	127
35.4	20.99		44.67		12.729		40.29		56.622		33.54		24.350		30.23	
Mittl. Ort	11.08		37.85		8.096		44.27		50.782		32.31		17.785		28.00	
sec δ, tg δ	2.479		+2.268		1.001		+0.040		1.193		+0.650		1.383		+0.956	

Mittlere Zeit Greenw.	182) 10 Camelop. AR.		182) Dekl.		184) ι Tauri AR.		184) Dekl.		185) η Aurigae AR.		185) Dekl.		186) ε Leporis AR.		186) Dekl.	
	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.
1921	4h 56m		+60° 19′		4h 58m		+21° 28′		5h 0m		+41° 7′		5h 2m		−22° 28′	
Jan. 0.4	26.83	7	42.85	200	24.427	9	36.85	3	60.923	16	41.86	106	8.783	40	46.04	218
10.4	26.76	15	44.85	177	24.418	54	36.82	4	60.907	72	42.92	92	8.743	83	48.22	192
20.4	26.61	22	46.62	147	24.364	97	36.78	6	60.835	124	43.84	77	8.660	123	50.14	161
30.3	26.39	29	48.09	111	24.267	134	36.72	9	60.711	171	44.61	55	8.537	158	51.75	127
Feb. 9.3	26.10	34	49.20	70	24.133	164	36.63	14	60.540	206	45.16	32	8.379	184	53.02	91
19.3	25.76	38	49.90	27	23.969	183	36.49	18	60.334	232	45.48	7	8.195	204	53.93	55
März 1.3	25.38	39	50.17	18	23.786	193	36.31	24	60.102	243	45.55	19	7.991	212	54.48	16
11.2	24.99	38	49.99	61	23.593	192	36.07	29	59.859	240	45.36	45	7.779	211	54.64	21
21.2	24.61	35	49.38	101	23.401	178	35.78	31	59.619	225	44.91	68	7.568	199	54.43	58
31.2	24.26	31	48.37	137	23.223	155	35.47	33	59.394	196	44.23	88	7.369	178	53.85	92
Apr. 10.2	23.95	25	47.00	167	23.068	123	35.14	32	59.198	157	43.35	103	7.191	149	52.93	127
20.1	23.70	19	45.33	189	22.945	83	34.82	27	59.041	109	42.32	113	7.042	113	51.66	157
30.1	23.51	10	43.44	204	22.862	40	34.55	22	58.932	56	41.19	119	6.929	72	50.09	184
Mai 10.1	23.41	1	41.40	212	22.822	7	34.33	13	58.876	1	40.00	120	6.857	28	48.25	209
20.0	23.40	7	39.28	212	22.829	55	34.20	2	58.877	59	38.80	115	6.829	18	46.16	228
30.0	23.47	15	37.16	205	22.884	101	34.18	9	58.936	116	37.65	107	6.847	63	43.88	242
Juni 9.0	23.62	23	35.11	193	22.985	145	34.27	21	59.052	169	36.58	94	6.910	107	41.46	251
19.0	23.85	30	33.18	174	23.130	184	34.48	32	59.221	218	35.64	80	7.017	147	38.95	253
28.9	24.15	37	31.44	152	23.314	219	34.80	42	59.439	259	34.84	63	7.164	184	36.42	247
Juli 8.9	24.52	43	29.92	125	23.533	247	35.22	51	59.698	296	34.21	45	7.348	215	33.95	235
18.9	24.95	47	28.67	98	23.780	270	35.73	57	59.994	325	33.76	28	7.563	242	31.60	215
28.9	25.42	50	27.69	67	24.050	288	36.30	61	60.319	347	33.48	9	7.805	262	29.45	189
Aug. 7.8	25.92	53	27.02	37	24.338	299	36.91	62	60.666	362	33.39	7	8.067	278	27.56	156
17.8	26.45	55	26.65	5	24.637	305	37.53	60	61.028	371	33.46	22	8.345	287	26.00	117
27.8	27.00	54	26.60	26	24.942	307	38.13	55	61.399	375	33.68	37	8.632	291	24.83	73
Sept. 6.7	27.54	55	26.86	56	25.249	305	38.68	48	61.774	373	34.05	50	8.923	290	24.10	26
16.7	28.09	54	27.42	85	25.554	298	39.16	41	62.147	365	34.55	62	9.213	284	23.84	22
26.7	28.63	52	28.27	112	25.852	288	39.57	32	62.512	355	35.17	73	9.497	273	24.06	69
Okt. 6.7	29.15	49	29.39	139	26.140	275	39.89	23	62.867	338	35.90	83	9.770	259	24.75	115
16.6	29.64	46	30.78	162	26.415	257	40.12	15	63.205	317	36.73	91	10.029	238	25.90	157
26.6	30.10	41	32.40	184	26.672	237	40.27	8	63.522	291	37.64	100	10.267	215	27.47	192
Nov. 5.6	30.51	37	34.24	202	26.909	211	40.35	3	63.813	260	38.64	107	10.482	186	29.39	220
15.6	30.88	30	36.26	216	27.120	181	40.38	0	64.073	222	39.71	114	10.668	153	31.59	239
25.5	31.18	23	38.42	224	27.301	147	40.38	1	64.295	178	40.85	118	10.821	116	33.98	249
Dez. 5.5	31.41	15	40.66	228	27.448	107	40.37	2	64.473	128	42.03	120	10.937	75	36.47	251
15.5	31.56	7	42.94	224	27.555	63	40.35	1	64.601	75	43.23	118	11.012	31	38.98	244
25.4	31.63	2	45.18	213	27.618	19	40.34	1	64.676	18	44.41	113	11.043	13	41.42	227
35.4	31.61		47.31		27.637		40.33		64.694		45.54		11.030		43.69	
Mittl. Ort	23.01		42.91		22.325		41.99		58.311		44.48		6.984		34.58	
sec δ, tg δ	2.020		+1.755		1.075		+0.393		1.328		+0.873		1.082		−0.414	

Mittlere Zeit Greenw.	188) β Eridani				192) μ Aurigae			
	AR.		Dekl.		AR.		Dekl.	
1921	5h 3m		−5° 11′		5h 8m		+38° 23′	
Jan. 0.4	59.752 s	17	24.48″	144	3.712 s	5	28.67″	92
10.4	59.735	58	25.92	128	3.707	61	29.59	82
20.4	59.677	97	27.20	110	3.646	112	30.41	69
30.4	59.580	131	28.30	88	3.534	158	31.10	51
Feb. 9.3	59.449	159	29.18	67	3.376	194	31.61	31
19.3	59.290	178	29.85	44	3.182	220	31.92	8
März 1.3	59.112	187	30.29	22	2.962	232	32.00	— 14
11.2	58.925	186	30.51	— 1	2.730	232	31.86	37
21.2	58.739	176	30.50	24	2.498	218	31.49	58
31.2	58.563	155	30.26	46	2.280	192	30.91	75
Apr. 10.2	58.408	128	29.80	69	2.088	155	30.16	90
20.1	58.280	92	29.11	90	1.933	111	29.26	99
30.1	58.188	53	28.21	110	1.822	60	28.27	104
Mai 10.1	58.135	11	27.11	129	1.762	5	27.23	104
20.1	58.124	— 33	25.82	146	1.757	— 50	26.19	101
30.0	58.157	76	24.36	160	1.807	105	25.18	92
Juni 9.0	58.233	117	22.76	169	1.912	156	24.26	82
19.0	58.350	154	21.07	175	2.068	203	23.44	68
28.9	58.504	187	19.32	175	2.271	245	22.76	54
Juli 8.9	58.691	216	17.57	171	2.516	280	22.22	38
18.9	58.907	239	15.86	161	2.796	308	21.84	22
28.9	59.146	257	14.25	144	3.104	331	21.62	7
Aug. 7.8	59.403	269	12.81	124	3.435	346	21.55	— 8
17.8	59.672	277	11.57	99	3.781	356	21.63	20
27.8	59.949	280	10.58	68	4.137	360	21.83	32
Sept. 6.8	60.229	279	9.90	36	4.497	360	22.15	42
16.7	60.508	273	9.54	2	4.857	354	22.57	52
26.7	60.781	265	9.52	— 33	5.211	345	23.09	60
Okt. 6.7	61.046	251	9.85	65	5.556	331	23.69	67
16.6	61.297	235	10.50	96	5.887	311	24.36	75
26.6	61.532	215	11.46	121	6.198	288	25.11	82
Nov. 5.6	61.747	191	12.67	141	6.486	258	25.93	88
15.6	61.938	161	14.08	155	6.744	223	26.81	94
25.5	62.099	129	15.63	163	6.967	181	27.75	99
Dez. 5.5	62.228	91	17.26	165	7.148	134	28.74	101
15.5	62.319	51	18.91	160	7.282	83	29.75	101
25.5	62.370	9	20.51	150	7.365	27	30.76	98
35.4	62.379		22.01		7.392		31.74	
Mittl. Ort	57.917		15.27		1.187		32.17	
sec δ, tg δ	1.004		−0.091		1.276		+0.792	

Mittlere Zeit Greenw.	191) 19 H. Camelop.				194) β Orionis			
	AR.		Dekl.		AR.		Dekl.	
1921	5h 9m		+79° 8′		5h 10m		−8° 17′	
Jan. 0.4	39.66 s	25	37.63″	281	46.259 s	14	40.65″	161
10.4	39.41	48	40.44	255	46.245	56	42.26	143
20.4	38.93	66	42.99	218	46.189	95	43.69	122
30.4	38.27	84	45.17	174	46.094	132	44.91	99
Feb. 9.3	37.43	97	46.91	124	45.962	159	45.90	75
19.3	36.46	105	48.15	67	45.803	179	46.65	49
März 1.3	35.41	109	48.82	10	45.624	190	47.14	23
11.2	34.32	108	48.92	— 48	45.434	190	47.37	— 2
21.2	33.24	102	48.44	103	45.244	180	47.35	27
31.2	32.22	93	47.41	152	45.064	161	47.08	53
Apr. 10.2	31.29	78	45.89	196	44.903	134	46.55	77
20.1	30.51	62	43.93	231	44.769	100	45.78	101
30.1	29.89	42	41.62	258	44.669	61	44.77	122
Mai 10.1	29.47	22	39.04	275	44.608	19	43.55	143
20.1	29.25	0	36.29	284	44.589	— 25	42.12	160
30.0	29.25	21	33.45	282	44.614	68	40.52	173
Juni 9.0	29.46	41	30.63	274	44.682	108	38.79	184
19.0	29.87	61	27.89	257	44.790	146	36.95	189
28.9	30.48	78	25.32	234	44.936	181	35.06	188
Juli 8.9	31.26	94	22.98	206	45.117	209	33.18	183
18.9	32.20	108	20.92	172	45.326	234	31.35	171
28.9	33.28	118	19.20	136	45.560	253	29.64	154
Aug. 7.8	34.46	127	17.84	96	45.813	267	28.10	131
17.8	35.73	134	16.88	54	46.080	275	26.79	102
27.8	37.07	136	16.34	12	46.355	280	25.77	71
Sept. 6.8	38.43	138	16.22	— 31	46.635	279	25.06	35
16.7	39.81	136	16.53	74	46.914	275	24.71	— 1
26.7	41.17	133	17.27	115	47.189	267	24.72	39
Okt. 6.7	42.50	126	18.42	155	47.456	256	25.11	75
16.6	43.76	116	19.97	192	47.712	239	25.86	107
26.6	44.92	105	21.89	227	47.951	219	26.93	135
Nov. 5.6	45.97	90	24.16	256	48.170	195	28.28	157
15.6	46.87	74	26.72	280	48.365	167	29.85	173
25.5	47.61	54	29.52	296	48.532	133	31.58	181
Dez. 5.5	48.15	33	32.48	306	48.665	95	33.39	183
15.5	48.48	11	35.54	306	48.760	55	35.22	179
25.5	48.59	— 13	38.60	295	48.815	13	37.01	168
35.4	48.46		41.55		48.828		38.69	
Mittl. Ort	30.35		37.66		44.421		30.92	
sec δ, tg δ	5.309		+5.214		1.011		−0.146	

Mittlere Zeit Greenw.	193) α Aurigae AR.		193) α Aurigae Dekl.		196) ϑ Doradus AR.		196) ϑ Doradus Dekl.		201) γ Orionis AR.		201) γ Orionis Dekl.		202) β Tauri AR.		202) β Tauri Dekl.	
1921	$5^h 10^m$		+45° 54′		$5^h 13^m$		−67° 16′		$5^h 20^m$		+6° 16′		$5^h 21^m$		+28° 32′	
Jan. 0.4	53.836	9	66.08	132	51.86	27	41.60	308	55.530	7	36.70	90	20.072	13	25.70	37
10.4	53.827	71	67.40	119	51.59	36	44.68	271	55.537	37	35.80	79	20.085	38	26.07	35
20.4	53.756	129	68.59	101	51.23	45	47.39	226	55.500	80	35.01	68	20.047	86	26.42	30
30.4	53.627	181	69.60	78	50.78	51	49.65	176	55.420	117	34.33	57	19.961	129	26.72	23
Feb. 9.3	53.446	222	70.38	51	50.27	56	51.41	123	55.303	148	33.76	45	19.832	164	26.95	14
19.3	53.224	250	70.89	21	49.71	60	52.64	67	55.155	170	33.31	33	19.668	190	27.09	2
März 1.3	52.974	265	71.10	10	49.11	61	53.31	11	54.985	182	32.98	22	19.478	205	27.11	11
11.3	52.709	265	71.00	39	48.50	60	53.42	43	54.803	185	32.76	11	19.273	206	27.00	22
21.2	52.444	250	70.61	68	47.90	59	52.99	97	54.618	176	32.65	2	19.067	197	26.78	34
31.2	52.194	221	69.93	93	47.31	55	52.02	147	54.442	159	32.67	13	18.870	177	26.44	43
Apr. 10.2	51.973	181	69.00	114	46.76	49	50.55	193	54.283	132	32.80	26	18.693	145	26.01	50
20.1	51.792	131	67.86	129	46.27	43	48.62	235	54.151	98	33.06	40	18.548	107	25.51	53
30.1	51.661	75	66.57	139	45.84	34	46.27	271	54.053	60	33.46	53	18.441	63	24.98	54
Mai 10.1	51.586	14	65.18	143	45.50	26	43.56	300	53.993	17	33.99	67	18.378	15	24.44	52
20.1	51.572	47	63.75	142	45.24	17	40.56	324	53.976	26	34.66	81	18.363	34	23.92	45
30.0	51.619	108	62.33	136	45.07	6	37.32	338	54.002	70	35.47	92	18.397	84	23.47	38
Juni 9.0	51.727	167	60.97	125	45.01	3	33.94	344	54.072	110	36.39	102	18.481	129	23.09	29
19.0	51.894	219	59.72	112	45.04	13	30.50	341	54.182	148	37.41	110	18.610	172	22.80	19
29.0	52.113	266	58.60	96	45.17	22	27.09	330	54.330	182	38.51	113	18.782	210	22.61	8
Juli 8.9	52.379	306	57.64	76	45.39	31	23.79	309	54.512	211	39.64	115	18.992	243	22.53	2
18.9	52.685	340	56.88	58	45.70	39	20.70	278	54.723	235	40.79	112	19.235	269	22.55	11
28.9	53.025	365	56.30	37	46.09	46	17.92	238	54.958	254	41.91	104	19.504	291	22.66	19
Aug. 7.8	53.390	384	55.93	18	46.55	51	15.54	191	55.212	269	42.95	92	19.795	306	22.85	25
17.8	53.774	396	55.75	1	47.06	56	13.63	137	55.481	277	43.87	76	20.101	317	23.10	28
27.8	54.170	402	55.76	20	47.62	59	12.26	77	55.758	283	44.63	57	20.418	322	23.38	30
Sept. 6.8	54.572	403	55.96	37	48.21	60	11.49	13	56.041	284	45.20	36	20.740	324	23.68	31
16.7	54.975	397	56.33	54	48.81	58	11.36	52	56.325	281	45.56	12	21.064	320	23.99	30
26.7	55.372	386	56.87	69	49.39	57	11.88	116	56.606	275	45.68	12	21.384	314	24.29	29
Okt. 6.7	55.758	372	57.56	85	49.96	53	13.04	178	56.881	266	45.56	34	21.698	304	24.58	27
16.7	56.130	350	58.41	98	50.49	46	14.82	232	57.147	252	45.22	56	22.002	289	24.85	27
26.6	56.480	323	59.39	111	50.95	40	17.14	280	57.399	234	44.66	73	22.291	270	25.12	27
Nov. 5.6	56.803	290	60.50	122	51.35	31	19.94	317	57.633	212	43.93	88	22.561	246	25.39	28
15.6	57.093	250	61.72	133	51.66	22	23.11	343	57.845	186	43.05	97	22.807	215	25.67	30
25.5	57.343	202	63.05	140	51.88	11	26.54	357	58.031	153	42.08	102	23.022	179	25.97	32
Dez. 5.5	57.545	149	64.45	145	51.99	1	30.11	358	58.184	117	41.06	102	23.201	138	26.29	36
15.5	57.694	90	65.90	144	52.00	11	33.69	347	58.301	76	40.04	99	23.339	92	26.65	38
25.5	57.784	28	67.34	140	51.89	21	37.16	325	58.377	33	39.05	93	23.431	43	27.03	40
35.4	57.812		68.74		51.68		40.41		58.410		38.12		23.474		27.43	
Mittl. Ort	51.012		68.95		48.84		27.06		53.583		44.87		17.800		31.29	
sec δ, tg δ	1.437		+1.033		2.589		−2.388		1.006		+0.110		1.138		+0.544	

Mittlere Zeit Greenw.	203) 17 Camelop.				206) δ Orionis				205) Gr. 966				207) α Leporis			
	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ
1921	$5^h\ 22^m$		+62° 59′		$5^h\ 27^m$		−0° 21′		$5^h\ 29^m$		+74° 59′		$5^h\ 29^m$		−17° 52′	
Jan. 0.4	46.36	3	68.99	221	60.093	9	32.79	126	15.98	9	37.00	273	16.592	8	51.48	212
10.4	46.33	12	71.20	204	60.102	36	34.05	114	15.89	26	39.73	252	16.584	54	53.60	191
20.4	46.21	22	73.24	177	60.066	78	35.19	97	15.63	41	42.25	223	16.530	97	55.51	164
30.4	45.99	29	75.01	144	59.988	115	36.16	80	15.22	54	44.48	184	16.433	134	57.15	134
Feb. 9.3	45.70	35	76.45	105	59.873	147	36.96	62	14.68	65	46.32	139	16.299	165	58.49	102
19.3	45.35	40	77.50	62	59.726	170	37.58	44	14.03	73	47.71	87	16.134	189	59.51	68
März 1.3	44.95	43	78.12	15	59.556	183	38.02	25	13.30	77	48.58	33	15.945	202	60.19	35
11.2	44.52	42	78.27	30	59.373	187	38.27	8	12.53	79	48.91	21	15.743	205	60.54	0
21.2	44.10	41	77.97	74	59.186	179	38.35	11	11.74	75	48.70	75	15.538	199	60.54	33
31.2	43.69	37	77.23	115	59.007	163	38.24	29	10.99	69	47.95	125	15.339	182	60.21	66
Apr. 10.2	43.32	31	76.08	150	58.844	137	37.95	47	10.30	60	46.70	168	15.157	156	59.55	97
20.1	43.01	25	74.58	179	58.707	106	37.48	65	9.70	48	45.02	206	15.001	124	58.58	126
30.1	42.76	16	72.79	201	58.601	67	36.83	82	9.22	35	42.96	235	14.877	87	57.32	154
Mai 10.1	42.60	7	70.78	215	58.534	27	36.01	99	8.87	21	40.61	255	14.790	45	55.78	177
20.1	42.53	1	68.63	222	58.507	16	35.02	114	8.66	5	38.06	267	14.745	2	54.01	198
30.0	42.54	11	66.41	222	58.523	58	33.88	127	8.61	10	35.39	271	14.743	41	52.03	214
Juni 9.0	42.65	20	64.19	214	58.581	98	32.61	137	8.71	26	32.68	266	14.784	84	49.89	224
19.0	42.85	27	62.05	202	58.679	137	31.24	144	8.97	40	30.02	254	14.868	124	47.65	229
28.9	43.12	35	60.03	184	58.816	171	29.80	147	9.37	54	27.48	236	14.992	160	45.36	228
Juli 8.9	43.47	42	58.19	162	58.987	200	28.33	144	9.91	66	25.12	213	15.152	193	43.08	219
18.9	43.89	47	56.57	136	59.187	225	26.89	138	10.57	76	22.99	183	15.345	220	40.89	205
28.9	44.36	52	55.21	108	59.412	246	25.51	126	11.33	84	21.16	151	15.565	243	38.84	182
Aug. 7.8	44.88	55	54.13	77	59.658	261	24.25	109	12.17	91	19.65	116	15.808	261	37.02	154
17.8	45.43	58	53.36	47	59.919	271	23.16	88	13.08	97	18.49	78	16.069	274	35.48	121
27.8	46.01	59	52.89	16	60.190	278	22.28	63	14.05	100	17.71	39	16.343	281	34.27	81
Sept. 6.8	46.60	60	52.73	17	60.468	279	21.65	35	15.05	102	17.32	1	16.624	285	33.46	38
16.7	47.20	59	52.90	49	60.747	279	21.30	5	16.07	101	17.33	41	16.909	284	33.08	7
26.7	47.79	59	53.39	79	61.026	273	21.25	25	17.08	100	17.74	82	17.193	278	33.15	52
Okt. 6.7	48.38	56	54.18	109	61.299	265	21.50	54	18.08	96	18.56	119	17.471	268	33.67	96
16.6	48.94	53	55.27	138	61.564	251	22.04	80	19.04	91	19.75	158	17.739	253	34.63	136
26.6	49.47	49	56.65	164	61.815	235	22.84	104	19.95	83	21.33	191	17.992	234	35.99	171
Nov. 5.6	49.96	43	58.29	188	62.050	213	23.88	122	20.78	74	23.24	223	18.226	210	37.70	200
15.6	50.39	38	60.17	209	62.263	186	25.10	136	21.52	62	25.47	250	18.436	180	39.70	221
25.5	50.77	30	62.26	223	62.449	155	26.46	142	22.14	49	27.97	270	18.616	146	41.91	233
Dez. 5.5	51.07	21	64.49	234	62.604	119	27.88	144	22.63	34	30.67	283	18.762	106	44.24	237
15.5	51.28	13	66.83	236	62.723	77	29.32	140	22.97	17	33.50	288	18.868	64	46.61	233
25.5	51.41	3	69.19	231	62.800	36	30.72	131	23.14	1	36.38	283	18.932	19	48.94	221
35.4	51.44		71.50		62.836		32.03		23.15		39.21		18.951		51.15	
Mittl. Ort	42.21		71.39		58.181		23.68		9.08		39.30		14.719		40.63	
sec δ, tg δ	2.203		+1.963		1.000		−0.006		3.862		+3.731		1.051		−0.323	

Mittlere Zeit Greenw.	209) ι Orionis AR.		209) ι Orionis Dekl.		210) ε Orionis AR.		210) ε Orionis Dekl.		211) ζ Tauri AR.		211) ζ Tauri Dekl.		212) β Doradus AR.		212) β Doradus Dekl.	
1921	$5^h\ 31^m$		−5° 57′		$5^h\ 32^m$		−1° 15′		$5^h\ 32^m$		+21° 5′		$5^h\ 32^m$		−62° 32′	
Jan. 0.5	35.986	7	48.66	157	14.158	12	14.18	133	57.494	24	36.95	7	59.06	17	42.14	325
10.4	35.993	37	50.23	141	14.170	33	15.51	118	57.518	26	36.88	3	58.89	25	45.39	291
20.4	35.956	80	51.64	121	14.137	76	16.69	102	57.492	71	36.85	1	58.64	33	48.30	250
30.4	35.876	117	52.85	99	14.061	113	17.71	84	57.421	114	36.84	1	58.31	40	50.80	203
Feb. 9.3	35.759	149	53.84	77	13.948	146	18.55	65	57.307	149	36.83	2	57.91	44	52.83	152
19.3	35.610	172	54.61	53	13.802	169	19.20	46	57.158	175	36.81	6	57.47	48	54.35	97
März 1.3	35.438	187	55.14	30	13.633	183	19.66	27	56.983	191	36.75	10	56.99	50	55.32	43
11.3	35.251	190	55.44	6	13.450	187	19.93	8	56.792	195	36.65	14	56.49	50	55.75	13
21.2	35.061	183	55.50	17	13.263	181	20.01	11	56.597	188	36.51	17	55.99	50	55.62	66
31.2	34.878	168	55.33	41	13.082	165	19.90	30	56.409	172	36.34	20	55.49	46	54.96	118
Apr. 10.2	34.710	143	54.92	63	12.917	140	19.60	49	56.237	143	36.14	21	55.03	42	53.78	165
20.2	34.567	112	54.29	84	12.777	108	19.11	68	56.094	109	35.93	20	54.61	37	52.13	210
30.1	34.455	74	53.45	106	12.669	72	18.43	85	55.985	69	35.73	16	54.24	31	50.03	249
Mai 10.1	34.381	34	52.39	125	12.597	30	17.58	102	55.916	24	35.57	11	53.93	23	47.54	282
20.1	34.347	8	51.14	141	12.567	11	16.56	118	55.892	21	35.46	5	53.70	16	44.72	309
30.0	34.355	51	49.73	156	12.578	54	15.38	131	55.913	67	35.41	4	53.54	7	41.63	328
Juni 9.0	34.406	91	48.17	166	12.632	94	14.07	140	55.980	111	35.45	13	53.47	0	38.35	338
19.0	34.497	129	46.51	172	12.726	132	12.67	148	56.091	152	35.58	21	53.47	9	34.97	341
29.0	34.626	164	44.79	173	12.858	167	11.19	150	56.243	187	35.79	28	53.56	17	31.56	333
Juli 8.9	34.790	195	43.06	169	13.025	196	9.69	147	56.430	220	36.07	34	53.73	25	28.23	316
18.9	34.985	220	41.37	160	13.221	221	8.22	141	56.650	246	36.41	39	53.98	31	25.07	290
28.9	35.205	241	39.77	145	13.442	243	6.81	128	56.896	267	36.80	41	54.29	37	22.17	255
Aug. 7.9	35.446	257	38.32	125	13.685	259	5.53	111	57.163	283	37.21	41	54.66	43	19.62	210
17.8	35.703	269	37.07	99	13.944	269	4.42	89	57.446	294	37.62	37	55.09	46	17.52	158
27.8	35.972	276	36.08	69	14.213	277	3.53	64	57.740	302	37.99	33	55.55	49	15.94	101
Sept. 6.8	36.248	279	35.39	36	14.490	279	2.89	35	58.042	304	38.32	25	56.04	51	14.93	38
16.7	36.527	278	35.03	1	14.769	279	2.54	4	58.346	304	38.57	16	56.55	51	14.55	26
26.7	36.805	273	35.02	34	15.048	274	2.50	27	58.650	300	38.73	8	57.06	50	14.81	92
Okt. 6.7	37.078	265	35.36	68	15.322	266	2.77	57	58.950	291	38.81	0	57.56	47	15.73	155
16.7	37.343	252	36.04	100	15.588	253	3.34	84	59.241	279	38.81	8	58.03	43	17.28	212
26.6	37.595	235	37.04	127	15.841	237	4.18	109	59.520	262	38.73	14	58.46	37	19.40	264
Nov. 5.6	37.830	213	38.31	149	16.078	216	5.27	127	59.782	241	38.59	17	58.83	31	22.04	305
15.6	38.043	186	39.80	165	16.294	189	6.54	141	60.023	214	38.42	18	59.14	24	25.09	335
25.6	38.229	154	41.45	174	16.483	159	7.95	149	60.237	181	38.24	18	59.38	15	28.44	355
Dez. 5.5	38.383	118	43.19	176	16.642	121	9.44	150	60.418	142	38.06	14	59.53	7	31.99	361
15.5	38.501	77	44.95	173	16.763	82	10.94	146	60.560	99	37.92	11	59.60	3	35.60	356
25.5	38.578	34	46.68	163	16.845	38	12.40	138	60.659	52	37.81	6	59.57	12	39.16	338
35.4	38.612		48.31		16.883		13.78		60.711		37.75		59.45		42.54	
Mittl. Ort	34.094		38.92		12.244		4.89		55.351		44.01		56.25		28.75	
sec δ, tg δ	1.005		−0.104		1.000		−0.022		1.072		+0.386		2.169		−1.924	

Mittlere Zeit Greenw.	215) α Columbae AR.		215) α Columbae Dekl.		216) ο Aurigae AR.		216) ο Aurigae Dekl.	
1921	$5^h 36^m$		−34° 6′		$5^h 39^m$		+49° 47′	
Jan. 0.5	49.221	30	68.06	277	49.767	26	30.80	159
10.4	49.191	81	70.83	251	49.793	44	32.39	150
20.4	49.110	129	73.34	216	49.749	111	33.89	135
30.4	48.981	170	75.50	178	49.638	172	35.24	114
Feb. 9.3	48.811	205	77.28	136	49.466	223	36.38	87
19.3	48.606	231	78.64	92	49.243	260	37.25	56
März 1.3	48.375	246	79.56	46	48.983	283	37.81	24
11.3	48.129	250	80.02	1	48.700	292	38.05	11
21.2	47.879	244	80.03	43	48.408	282	37.94	43
31.2	47.635	227	79.60	87	48.126	260	37.51	74
Apr. 10.2	47.408	202	78.73	128	47.866	223	36.77	102
20.2	47.206	167	77.45	166	47.643	175	35.75	124
30.1	47.039	127	75.79	200	47.468	119	34.51	141
Mai 10.1	46.912	83	73.79	229	47.349	57	33.10	152
20.1	46.829	36	71.50	255	47.292	7	31.58	159
30.0	46.793	13	68.95	273	47.299	71	29.99	158
Juni 9.0	46.806	60	66.22	284	47.370	134	28.41	154
19.0	46.866	106	63.38	289	47.504	192	26.87	145
29.0	46.972	150	60.49	285	47.696	246	25.42	132
Juli 8.9	47.122	188	57.64	274	47.942	292	24.10	118
18.9	47.310	223	54.90	253	48.234	333	22.92	99
28.9	47.533	252	52.37	225	48.567	365	21.93	81
Aug. 7.9	47.785	276	50.12	189	48.932	391	21.12	60
17.8	48.061	294	48.23	146	49.323	411	20.52	41
27.8	48.355	306	46.77	97	49.734	424	20.11	20
Sept. 6.8	48.661	313	45.80	44	50.158	431	19.91	1
16.7	48.974	313	45.36	12	50.589	431	19.92	21
26.7	49.287	308	45.48	68	51.020	427	20.13	40
Okt. 6.7	49.595	297	46.16	123	51.447	416	20.53	61
16.7	49.892	279	47.39	173	51.863	399	21.14	79
26.6	50.171	255	49.12	218	52.262	375	21.93	99
Nov. 5.6	50.426	226	51.30	254	52.637	344	22.92	116
15.6	50.652	190	53.84	282	52.981	303	24.08	133
25.6	50.842	149	56.66	299	53.284	254	25.41	147
Dez. 5.5	50.991	102	59.65	306	53.538	199	26.88	157
15.5	51.093	53	62.71	302	53.737	135	28.45	163
25.5	51.146	1	65.73	287	53.872	68	30.08	164
35.4	51.147		68.60		53.940		31.72	
Mittl. Ort	47.237		56.08		46.739		35.78	
sec δ, tg δ	1.208		−0.677		1.549		+1.183	

Mittlere Zeit Greenw.	219) ζ Leporis AR.		219) ζ Leporis Dekl.		220) κ Orionis AR.		220) κ Orionis Dekl.	
1921	$5^h 43^m$		−14° 50′		$5^h 44^m$		−9° 41′	
Jan. 0.5	24.423	8	72.19	205	2.466	15	58.35	180
10.4	24.431	37	74.24	185	2.481	31	60.15	163
20.4	24.394	82	76.09	161	2.450	75	61.78	140
30.4	24.312	121	77.70	133	2.375	114	63.18	117
Feb. 9.3	24.191	154	79.03	103	2.261	147	64.35	91
19.3	24.037	180	80.06	72	2.114	172	65.26	63
März 1.3	23.857	195	80.78	41	1.942	188	65.89	37
11.3	23.662	201	81.19	10	1.754	194	66.26	10
21.2	23.461	196	81.29	23	1.560	190	66.36	17
31.2	23.265	182	81.06	52	1.370	175	66.19	43
Apr. 10.2	23.083	159	80.54	82	1.195	153	65.76	69
20.2	22.924	128	79.72	109	1.042	122	65.07	93
30.1	22.796	93	78.63	136	0.920	87	64.14	116
Mai 10.1	22.703	53	77.27	159	0.833	48	62.98	138
20.1	22.650	10	75.68	179	0.785	5	61.60	155
30.0	22.640	31	73.89	194	0.780	36	60.05	170
Juni 9.0	22.671	73	71.95	207	0.816	77	58.35	181
19.0	22.744	113	69.88	212	0.893	115	56.54	188
29.0	22.857	149	67.76	213	1.008	151	54.66	189
Juli 8.9	23.006	181	65.63	206	1.159	183	52.77	184
18.9	23.187	209	63.57	194	1.342	210	50.93	173
28.9	23.396	233	61.63	174	1.552	232	49.20	157
Aug. 7.9	23.629	252	59.89	149	1.784	250	47.63	135
17.8	23.881	266	58.40	118	2.034	264	46.28	107
27.8	24.147	275	57.22	81	2.298	274	45.21	74
Sept. 6.8	24.422	281	56.41	41	2.572	278	44.47	39
16.7	24.703	283	56.00	1	2.850	280	44.08	0
26.7	24.986	279	56.01	44	3.130	277	44.08	38
Okt. 6.7	25.265	272	56.45	86	3.407	270	44.46	76
16.7	25.537	260	57.31	125	3.677	259	45.22	111
26.6	25.797	243	58.56	160	3.936	242	46.33	141
Nov. 5.6	26.040	221	60.16	188	4.178	222	47.74	167
15.6	26.261	193	62.04	208	4.400	196	49.41	185
25.6	26.454	161	64.12	221	4.596	164	51.26	196
Dez. 5.5	26.615	123	66.33	226	4.760	127	53.22	200
15.5	26.738	81	68.59	223	4.887	86	55.22	197
25.5	26.819	36	70.82	212	4.973	42	57.19	186
35.4	26.855		72.94		5.015		59.05	
Mittl. Ort	22.520		61.63		0.560		48.17	
sec δ, tg δ	1.035		−0.265		1.015		−0.171	

Mittlere Zeit Greenw.	224) α Orionis AR.		224) α Orionis Dekl.		225) δ Aurigae AR.		225) δ Aurigae Dekl.	
1921	5h 50m		+7° 23′		5h 53m		+54° 16′	
Jan. 0.5	55.659	35	27.65	90	4.621	44	43.49	184
10.4	55.694	12	26.75	78	4.665	36	45.33	176
20.4	55.682	57	25.97	66	4.629	111	47.09	161
30.4	55.625	99	25.31	54	4.518	180	48.70	140
Feb. 9.4	55.526	134	24.77	43	4.338	238	50.10	111
19.3	55.392	161	24.34	30	4.100	283	51.21	79
März 1.3	55.231	179	24.04	20	3.817	313	52.00	42
11.3	55.052	186	23.84	9	3.504	325	52.42	4
21.2	54.866	182	23.75	1	3.179	319	52.46	33
31.2	54.684	169	23.76	11	2.860	298	52.13	69
Apr. 10.2	54.515	147	23.87	23	2.562	261	51.44	101
20.2	54.368	116	24.10	33	2.301	212	50.43	129
30.1	54.252	81	24.43	46	2.089	153	49.14	151
Mai 10.1	54.171	41	24.89	57	1.936	87	47.63	167
20.1	54.130	1	25.46	68	1.849	18	45.96	177
30.1	54.131	43	26.14	79	1.831	52	44.19	182
Juni 9.0	54.174	83	26.93	88	1.883	121	42.37	180
19.0	54.257	123	27.81	94	2.004	185	40.57	174
29.0	54.380	157	28.75	99	2.189	246	38.83	163
Juli 8.9	54.537	188	29.74	99	2.435	299	37.20	149
18.9	54.725	215	30.73	96	2.734	346	35.71	131
28.9	54.940	236	31.69	89	3.080	385	34.40	111
Aug. 7.9	55.176	255	32.58	79	3.465	416	33.29	91
17.8	55.431	268	33.37	64	3.881	442	32.38	67
27.8	55.699	277	34.01	46	4.323	460	31.71	45
Sept. 6.8	55.976	283	34.47	26	4.783	470	31.26	21
16.8	56.259	285	34.73	3	5.253	475	31.05	3
26.7	56.544	283	34.76	20	5.728	473	31.08	28
Okt. 6.7	56.827	278	34.56	41	6.201	464	31.36	51
16.7	57.105	269	34.15	62	6.665	448	31.87	76
26.6	57.374	256	33.53	79	7.113	424	32.63	99
Nov. 5.6	57.630	236	32.74	92	7.537	390	33.62	122
15.6	57.866	213	31.82	101	7.927	348	34.84	143
25.6	58.079	182	30.81	106	8.275	296	36.27	161
Dez. 5.5	58.261	147	29.75	105	8.571	234	37.88	175
15.5	58.408	106	28.70	100	8.805	164	39.63	184
25.5	58.514	62	27.70	93	8.969	90	41.47	188
35.5	58.576		26.77		9.059		43.35	
Mittl. Ort	53.663		36.66		1.325		49.34	
sec δ, tg δ	1.008		+0.130		1.713		+1.391	

Mittlere Zeit Greenw.	227) β Aurigae AR.		227) β Aurigae Dekl.		228) θ Aurigae AR.		228) θ Aurigae Dekl.	
1921	5h 53m		+44° 56′		5h 54m		+37° 12′	
Jan. 0.5	46.821	48	20.71	133	22.559	48	23.28	89
10.4	46.869	18	22.04	129	22.607	10	24.17	87
20.4	46.851	82	23.33	120	22.597	66	25.04	82
30.4	46.769	139	24.53	104	22.531	119	25.86	72
Feb. 9.4	46.630	189	25.57	83	22.412	164	26.58	59
19.3	46.441	228	26.40	59	22.248	198	27.17	41
März 1.3	46.213	252	26.99	31	22.050	221	27.58	21
11.3	45.961	263	27.30	3	21.829	231	27.79	0
21.2	45.698	258	27.33	26	21.598	227	27.79	20
31.2	45.440	241	27.07	53	21.371	211	27.59	40
Apr. 10.2	45.199	210	26.54	78	21.160	183	27.19	58
20.2	44.989	168	25.76	98	20.977	146	26.61	72
30.1	44.821	119	24.78	114	20.831	102	25.89	82
Mai 10.1	44.702	64	23.64	126	20.729	53	25.07	89
20.1	44.638	6	22.38	131	20.676	1	24.18	92
30.1	44.632	52	21.07	134	20.675	51	23.26	91
Juni 9.0	44.684	109	19.73	130	20.726	102	22.35	88
19.0	44.793	163	18.43	125	20.828	150	21.47	81
29.0	44.956	212	17.18	114	20.978	193	20.66	73
Juli 8.9	45.168	256	16.04	103	21.171	232	19.93	63
18.9	45.424	293	15.01	89	21.403	266	19.30	53
28.9	45.717	325	14.12	75	21.669	293	18.77	43
Aug. 7.9	46.042	351	13.37	60	21.962	315	18.34	33
17.8	46.393	370	12.77	44	22.277	333	18.01	23
27.8	46.763	384	12.33	28	22.610	345	17.78	14
Sept. 6.8	47.147	394	12.05	13	22.955	352	17.64	6
16.8	47.541	396	11.92	3	23.307	355	17.58	2
26.7	47.937	396	11.95	18	23.662	355	17.60	9
Okt. 6.7	48.333	388	12.13	34	24.017	349	17.69	18
16.7	48.721	376	12.47	50	24.366	338	17.87	27
26.6	49.097	358	12.97	66	24.704	322	18.14	36
Nov. 5.6	49.455	331	13.63	82	25.026	299	18.50	46
15.6	49.786	297	14.45	97	25.325	269	18.96	57
25.6	50.083	254	15.42	111	25.594	233	19.53	67
Dez. 5.5	50.337	205	16.53	123	25.827	189	20.20	77
15.5	50.542	148	17.76	132	26.016	138	20.97	84
25.5	50.690	86	19.08	135	26.154	83	21.81	90
35.5	50.776		20.43		26.237		22.71	
Mittl. Ort	44.038		27.19		20.053		30.32	
sec δ, tg δ	1.413		+0.998		1.256		+0.759	

Mittlere Zeit Greenw.	229) η Columbae AR.		229) η Columbae Dekl.		232) ν Orionis AR.		232) ν Orionis Dekl.		236) η Geminorum AR.		236) η Geminorum Dekl.		234) 22 H. Camelop. AR.		234) 22 H. Camelop. Dekl.	
1921	$5^h 56^m$		$-42° 48'$		$6^h 3^m$		$+14° 46'$		$6^h 10^m$		$+22° 31'$		$6^h 10^m$		$+69° 20'$	
Jan. 0.5	45.896	29	80.37	314	5.768	51	35.35	48	8.733	61	42.69	2	13.74	7	53.24	257
10.4	45.867	88	83.51	287	5.819	1	34.87	39	8.794	9	42.67	5	13.81	6	55.81	249
20.4	45.779	143	86.38	253	5.820	46	34.48	31	8.803	40	42.72	10	13.75	19	58.30	232
30.4	45.636	191	88.91	213	5.774	91	34.17	23	8.763	89	42.82	13	13.56	30	60.62	204
Feb. 9.4	45.445	232	91.04	169	5.683	128	33.94	16	8.674	130	42.95	14	13.26	41	62.66	169
19.3	45.213	263	92.73	121	5.555	159	33.78	12	8.544	162	43.09	11	12.85	47	64.35	127
März 1.3	44.950	284	93.94	72	5.396	179	33.66	8	8.382	184	43.20	8	12.38	54	65.62	81
11.3	44.666	292	94.66	22	5.217	188	33.58	4	8.198	196	43.28	3	11.84	55	66.43	31
21.3	44.374	288	94.88	27	5.029	187	33.54	2	8.002	196	43.31	3	11.29	57	66.74	19
31.2	44.086	275	94.61	75	4.842	176	33.52	1	7.806	185	43.28	8	10.72	53	66.55	68
Apr. 10.2	43.811	250	93.86	120	4.666	154	33.53	4	7.621	163	43.20	12	10.19	48	65.87	114
20.2	43.561	217	92.66	163	4.512	124	33.57	9	7.458	134	43.08	15	9.71	41	64.73	154
30.1	43.344	176	91.03	202	4.388	88	33.66	14	7.324	96	42.93	17	9.30	33	63.19	188
Mai 10.1	43.168	130	89.01	237	4.300	49	33.80	21	7.228	56	42.76	16	8.97	22	61.31	215
20.1	43.038	80	86.64	265	4.251	7	34.01	28	7.172	13	42.60	13	8.75	12	59.16	234
30.1	42.958	28	83.99	287	4.244	36	34.29	35	7.159	32	42.47	9	8.63	0	56.82	247
Juni 9.0	42.930	24	81.12	302	4.280	77	34.64	42	7.191	76	42.38	4	8.63	10	54.35	251
19.0	42.954	76	78.10	309	4.357	117	35.06	48	7.267	116	42.34	0	8.73	21	51.84	249
29.0	43.030	125	75.01	308	4.474	153	35.54	53	7.383	155	42.34	5	8.94	32	49.35	240
Juli 9.0	43.155	172	71.93	297	4.627	186	36.07	55	7.538	189	42.39	9	9.26	41	46.95	226
18.9	43.327	213	68.96	278	4.813	213	36.62	55	7.727	218	42.48	12	9.67	49	44.69	207
28.9	43.540	251	66.18	251	5.026	237	37.17	52	7.945	244	42.60	13	10.16	57	42.62	183
Aug. 7.9	43.791	282	63.67	213	5.263	256	37.69	46	8.189	264	42.73	11	10.73	62	40.79	156
17.8	44.073	308	61.54	169	5.519	271	38.15	37	8.453	281	42.84	9	11.35	68	39.23	126
27.8	44.381	327	59.85	119	5.790	282	38.52	26	8.734	293	42.93	5	12.03	72	37.97	93
Sept. 6.8	44.708	340	58.66	61	6.072	289	38.78	12	9.027	302	42.98	3	12.75	75	37.04	60
16.8	45.048	345	58.05	2	6.361	294	38.90	2	9.329	307	42.95	9	13.50	76	36.44	24
26.7	45.393	343	58.03	58	6.655	294	38.88	18	9.636	309	42.86	16	14.26	76	36.20	13
Okt. 6.7	45.736	335	58.61	118	6.949	291	38.70	32	9.945	307	42.70	23	15.02	75	36.33	50
16.7	46.071	317	59.79	175	7.240	283	38.38	46	10.252	300	42.47	29	15.77	73	36.83	87
26.7	46.388	293	61.54	225	7.523	272	37.92	55	10.552	289	42.18	31	16.50	69	37.70	122
Nov. 5.6	46.681	260	63.79	267	7.795	254	37.37	63	10.841	273	41.87	33	17.19	64	38.92	157
15.6	46.941	221	66.46	301	8.049	230	36.74	68	11.114	248	41.54	31	17.83	57	40.49	189
25.6	47.162	174	69.47	323	8.279	202	36.06	68	11.362	218	41.23	26	18.40	48	42.38	216
Dez. 5.5	47.336	122	72.70	334	8.481	165	35.38	64	11.580	182	40.97	20	18.88	38	44.54	239
15.5	47.458	65	76.04	334	8.646	125	34.74	59	11.762	139	40.77	12	19.26	27	46.93	253
25.5	47.523	7	79.38	323	8.771	78	34.15	51	11.901	91	40.65	4	19.53	14	49.46	260
35.5	47.530		82.61		8.849		33.64		11.992		40.61		19.67		52.06	
Mittl. Ort	43.709		68.68		3.694		44.30		6.555		51.54		8.65		59.98	
sec δ, tg δ	1.363		−0.927		1.034		+0.264		1.083		+0.415		2.836		+2.654	

Mittlere Zeit Greenw.	240) ζ Canis maj. AR.		Dekl.		241) μ Geminorum AR.		Dekl.	
1921	$6^h\ 17^m$		−30° 1′		$6^h\ 18^m$		+22° 33′	
Jan. 0.5	18.837	21	49.40	284	13.083	70	10.28	3
10.5	18.858	31	52.24	263	13.153	18	10.25	4
20.4	18.827	81	54.87	235	13.171	33	10.29	11
30.4	18.746	128	57.22	201	13.138	82	10.40	14
Feb. 9.4	18.618	167	59.23	163	13.056	124	10.54	16
19.3	18.451	199	60.86	123	12.932	158	10.70	15
März 1.3	18.252	222	62.09	82	12.774	182	10.85	11
11.3	18.030	233	62.91	38	12.592	195	10.96	6
21.3	17.797	233	63.29	4	12.397	196	11.02	0
31.2	17.564	225	63.25	45	12.201	186	11.02	5
Apr. 10.2	17.339	206	62.80	86	12.015	166	10.97	9
20.2	17.133	178	61.94	124	11.849	138	10.88	13
30.2	16.955	146	60.70	158	11.711	102	10.75	15
Mai 10.1	16.809	106	59.12	191	11.609	62	10.60	15
20.1	16.703	65	57.21	218	11.547	19	10.45	13
30.1	16.638	21	55.03	240	11.528	24	10.32	11
Juni 9.0	16.617	24	52.63	256	11.552	68	10.21	6
19.0	16.641	67	50.07	266	11.620	109	10.15	2
29.0	16.708	108	47.41	268	11.729	147	10.13	2
Juli 9.0	16.816	147	44.73	262	11.876	182	10.15	5
18.9	16.963	183	42.11	249	12.058	211	10.20	7
28.9	17.146	214	39.62	227	12.269	238	10.27	8
Aug. 7.9	17.360	241	37.35	197	12.507	259	10.35	6
17.9	17.601	263	35.38	160	12.766	277	10.41	3
27.8	17.864	282	33.78	117	13.043	290	10.44	1
Sept. 6.8	18.146	295	32.61	67	13.333	301	10.43	8
16.8	18.441	303	31.94	15	13.634	306	10.35	16
26.7	18.744	306	31.79	39	13.940	310	10.19	22
Okt. 6.7	19.050	303	32.18	92	14.250	309	9.97	29
16.7	19.353	294	33.10	145	14.559	304	9.68	34
26.7	19.647	279	34.55	191	14.863	294	9.34	38
Nov. 5.6	19.926	256	36.46	230	15.157	278	8.96	37
15.6	20.182	228	38.76	263	15.435	255	8.59	36
25.6	20.410	192	41.39	284	15.690	226	8.23	31
Dez. 5.6	20.602	151	44.23	297	15.916	190	7.92	23
15.5	20.753	103	47.20	298	16.106	147	7.69	15
25.5	20.856	53	50.18	290	16.253	100	7.54	6
35.5	20.909		53.08		16.353		7.48	
Mittl. Ort	16.786		38.73		10.909		19.54	
sec δ, tg δ	1.155		−0.578		1.083		+0.415	

Mittlere Zeit Greenw.	242) ψ¹ Aurigae AR.		Dekl.		243) β Canis maj. AR.		Dekl.	
1921	$6^h\ 18^m$		+49° 19′		$6^h\ 19^m$		−17° 54′	
Jan. 0.5	51.895	83	39.12	158	15.190	40	67.14	234
10.5	51.978	11	40.70	157	15.230	10	69.48	215
20.4	51.989	61	42.27	150	15.220	57	71.63	191
30.4	51.928	128	43.77	137	15.163	101	73.54	162
Feb. 9.4	51.800	186	45.14	117	15.062	139	75.16	132
19.3	51.614	233	46.31	92	14.923	170	76.48	98
März 1.3	51.381	266	47.23	61	14.753	192	77.46	65
11.3	51.115	284	47.84	29	14.561	202	78.11	31
21.3	50.831	287	48.13	3	14.359	205	78.42	3
31.2	50.544	273	48.10	36	14.154	195	78.39	36
Apr. 10.2	50.271	246	47.74	66	13.959	178	78.03	68
20.2	50.025	208	47.08	93	13.781	152	77.35	99
30.2	49.817	159	46.15	116	13.629	120	76.36	126
Mai 10.1	49.658	103	44.99	133	13.509	84	75.10	154
20.1	49.555	44	43.66	146	13.425	44	73.56	175
30.1	49.511	18	42.20	154	13.381	4	71.81	194
Juni 9.0	49.529	78	40.66	157	13.377	37	69.87	208
19.0	49.607	137	39.09	156	13.414	76	67.79	217
29.0	49.744	191	37.53	150	13.490	114	65.62	220
Juli 9.0	49.935	241	36.03	142	13.604	149	63.42	215
18.9	50.176	285	34.61	129	13.753	180	61.27	205
28.9	50.461	322	33.32	116	13.933	207	59.22	187
Aug. 7.9	50.783	355	32.16	101	14.140	230	57.35	162
17.9	51.138	382	31.15	84	14.370	249	55.73	132
27.8	51.520	401	30.31	67	14.619	266	54.41	94
Sept. 6.8	51.921	417	29.64	49	14.885	276	53.47	54
16.8	52.338	426	29.15	29	15.161	284	52.93	10
26.7	52.764	431	28.86	10	15.445	288	52.83	37
Okt. 6.7	53.195	429	28.76	10	15.733	285	53.20	81
16.7	53.624	420	28.86	32	16.018	279	54.01	124
26.7	54.044	405	29.18	53	16.297	266	55.25	163
Nov. 5.6	54.449	380	29.71	75	16.563	249	56.88	196
15.6	54.829	348	30.46	97	16.812	224	58.84	222
25.6	55.177	305	31.43	116	17.036	194	61.06	238
Dez. 5.6	55.482	253	32.59	134	17.230	157	63.44	248
15.5	55.735	192	33.93	148	17.387	114	65.92	248
25.5	55.927	125	35.41	157	17.501	68	68.40	239
35.5	56.052		36.98		17.569		70.79	
Mittl. Ort	48.943		47.41		13.221		56.72	
sec δ, tg δ	1.534		+1.164		1.051		−0.323	

Mittlere Zeit Greenw.	244) 8 Monocerotis AR.		244) Dekl.		245) α Argus AR.		245) Dekl.		246) 10 Monocerotis AR.		246) Dekl.		247) 8 Lyncis AR.		247) Dekl.	
1921	6h 19m		+4° 37′		6h 22m		−52° 38′		6h 24m		−4° 42′		6h 30m		+61° 32′	
	s		″		s		″		s		″		s		″	
Jan. 0.5	36.923	60	52.64	113	14.395	26	77.95	347	5.473	57	54.45	167	32.29	11	59.92	220
10.5	36.983	12	51.51	100	14.369	97	81.42	324	5.530	9	56.12	152	32.40	1	62.12	219
20.4	36.995	—35	50.51	84	14.272	165	84.66	293	5.539	—38	57.64	133	32.41	—8	64.31	210
30.4	36.960	80	49.67	69	14.107	225	87.59	254	5.501	82	58.97	111	32.33	18	66.41	192
Feb. 9.4	36.880	118	48.98	53	13.882	277	90.13	209	5.419	120	60.08	89	32.15	26	68.33	165
19.3	36.762	149	48.45	39	13.605	318	92.22	161	5.299	152	60.97	66	31.89	32	69.98	132
März 1.3	36.613	172	48.06	24	13.287	347	93.83	110	5.147	173	61.63	43	31.57	37	71.30	94
11.3	36.441	183	47.82	10	12.940	362	94.93	58	4.974	186	62.06	21	31.20	40	72.24	51
21.3	36.258	184	47.72	—3	12.578	364	95.51	4	4.788	188	62.27	—2	30.80	40	72.75	7
31.2	36.074	176	47.75	15	12.214	355	95.55	—46	4.600	180	62.25	24	30.40	40	72.82	—36
Apr. 10.2	35.898	158	47.90	29	11.859	332	95.09	97	4.420	163	62.01	45	30.00	36	72.46	78
20.2	35.740	132	48.19	41	11.527	300	94.12	145	4.257	138	61.56	65	29.64	31	71.68	115
30.2	35.608	99	48.60	53	11.227	258	92.67	188	4.119	107	60.91	85	29.33	25	70.53	148
Mai 10.1	35.509	64	49.13	66	10.969	209	90.79	228	4.012	72	60.06	103	29.08	19	69.05	175
20.1	35.445	23	49.79	77	10.760	155	88.51	261	3.940	34	59.03	119	28.89	10	67.30	196
30.1	35.422	—16	50.56	87	10.605	96	85.90	289	3.906	—6	57.84	133	28.79	3	65.34	210
Juni 9.0	35.438	56	51.43	96	10.509	35	83.01	309	3.912	45	56.51	144	28.76	—6	63.24	218
19.0	35.494	94	52.39	102	10.474	—25	79.92	321	3.957	83	55.07	151	28.82	14	61.06	220
29.0	35.588	129	53.41	105	10.499	86	76.71	324	4.040	118	53.56	155	28.96	22	58.86	216
Juli 9.0	35.717	161	54.46	104	10.585	144	73.47	318	4.158	151	52.01	152	29.18	28	56.70	207
18.9	35.878	190	55.50	101	10.729	198	70.29	303	4.309	180	50.49	146	29.46	35	54.63	194
28.9	36.068	214	56.51	92	10.927	250	67.26	277	4.489	205	49.03	133	29.81	40	52.69	177
Aug. 7.9	36.282	235	57.43	80	11.177	294	64.49	242	4.694	227	47.70	115	30.21	45	50.92	157
17.9	36.517	251	58.23	64	11.471	332	62.07	200	4.921	245	46.55	93	30.66	50	49.35	133
27.8	36.768	265	58.87	43	11.803	364	60.07	148	5.166	259	45.62	66	31.16	52	48.02	109
Sept. 6.8	37.033	275	59.30	20	12.167	386	58.59	91	5.425	270	44.96	35	31.68	55	46.93	81
16.8	37.308	282	59.50	—5	12.553	402	57.68	29	5.695	278	44.61	1	32.23	57	46.12	52
26.7	37.590	284	59.45	30	12.955	405	57.39	—34	5.973	281	44.60	—33	32.80	57	45.60	22
Okt. 6.7	37.874	283	59.15	55	13.360	401	57.73	99	6.254	281	44.93	67	33.37	58	45.38	—10
16.7	38.157	279	58.60	78	13.761	385	58.72	160	6.535	276	45.60	99	33.95	57	45.48	41
26.7	38.436	269	57.82	98	14.146	360	60.32	217	6.811	267	46.59	127	34.52	54	45.89	74
Nov. 5.6	38.705	254	56.84	114	14.506	322	62.49	267	7.078	251	47.86	151	35.06	51	46.63	105
15.6	38.959	233	55.70	124	14.828	277	65.16	306	7.329	230	49.37	168	35.57	47	47.68	137
25.6	39.192	205	54.46	130	15.105	221	68.22	336	7.559	203	51.05	179	36.04	41	49.05	164
Dez. 5.6	39.397	171	53.16	131	15.326	158	71.58	353	7.762	169	52.84	183	36.45	34	50.69	189
15.5	39.568	132	51.85	126	15.484	90	75.11	360	7.931	128	54.67	181	36.79	26	52.58	207
25.5	39.700	88	50.59	117	15.574	18	78.71	353	8.059	85	56.48	173	37.05	17	54.65	219
35.5	39.788		49.42		15.592		82.24		8.144		58.21		37.22		56.84	
Mittl. Ort	34.930		62.53		11.819		67.41		3.512		44.27		28.47		68.83	
sec δ, tg δ	1.003		+0.081		1.648		−1.310		1.003		−0.082		2.099		+1.846	

Mittlere Zeit Greenw.	249) ξ^2 Canis maj. AR.		Dekl.		248) 23 H. Camelop. AR.		Dekl.		251) γ Geminorum AR.		Dekl.		250) 51 Aurigae AR.		Dekl.	
1921	6h 31m		−22° 54′		6h 32m		+79° 38′		6h 33m		+16° 27′		6h 33m		+39° 27′	
Jan. 0.5	46.711	47	15.11	262	55.89	16	63.54	295	11.017	81	54.33	43	13.701	96	33.04	99
10.5	46.758	4	17.73	242	56.05	8	66.49	291	11.098	31	53.90	33	13.797	34	34.03	103
20.4	46.754	54	20.15	217	55.97	34	69.40	276	11.129	20	53.57	23	13.831	28	35.06	105
30.4	46.700	99	22.32	188	55.63	56	72.16	249	11.109	68	53.34	13	13.803	87	36.11	99
Feb. 9.4	46.601	141	24.20	154	55.07	76	74.65	215	11.041	110	53.21	6	13.716	140	37.10	89
19.4	46.460	173	25.74	119	54.31	93	76.80	169	10.931	145	53.15	0	13.576	182	37.99	74
März 1.3	46.287	197	26.93	81	53.38	105	78.49	119	10.786	170	53.15	3	13.394	213	38.73	55
11.3	46.090	210	27.74	44	52.33	112	79.68	64	10.616	185	53.18	5	13.181	233	39.28	33
21.3	45.880	214	28.18	7	51.21	114	80.32	7	10.431	189	53.23	6	12.948	238	39.61	9
31.2	45.666	207	28.25	31	50.07	112	80.39	49	10.242	182	53.29	6	12.710	229	39.70	12
Apr. 10.2	45.459	191	27.94	66	48.95	104	79.90	103	10.060	166	53.35	8	12.481	209	39.58	35
20.2	45.268	167	27.28	100	47.91	93	78.87	152	9.894	139	53.43	8	12.272	178	39.23	55
30.2	45.101	137	26.28	133	46.98	79	77.35	195	9.755	109	53.51	11	12.094	139	38.68	72
Mai 10.1	44.964	101	24.95	161	46.19	60	75.40	230	9.646	71	53.62	14	11.955	93	37.96	85
20.1	44.863	63	23.34	187	45.59	42	73.10	259	9.575	31	53.76	18	11.862	44	37.11	96
30.1	44.800	21	21.47	208	45.17	20	70.51	279	9.544	9	53.94	23	11.818	7	36.15	101
Juni 9.1	44.779	20	19.39	224	44.97	0	67.72	290	9.553	51	54.17	26	11.825	57	35.14	105
19.0	44.799	60	17.15	234	44.97	22	64.82	293	9.604	90	54.43	30	11.882	108	34.09	104
29.0	44.859	98	14.81	238	45.19	42	61.89	290	9.694	127	54.73	33	11.990	153	33.05	102
Juli 9.0	44.957	135	12.43	234	45.61	62	58.99	279	9.821	160	55.06	34	12.143	195	32.03	97
18.9	45.092	168	10.09	224	46.23	79	56.20	261	9.981	190	55.40	33	12.338	232	31.06	91
28.9	45.260	198	7.85	207	47.02	96	53.59	238	10.171	217	55.73	31	12.570	266	30.15	83
Aug. 7.9	45.458	224	5.78	180	47.98	109	51.21	211	10.388	238	56.04	24	12.836	294	29.32	76
17.9	45.682	246	3.98	148	49.07	122	49.10	179	10.626	258	56.28	16	13.130	317	28.56	67
27.8	45.928	264	2.50	109	50.29	131	47.31	143	10.884	272	56.44	6	13.447	336	27.89	59
Sept. 6.8	46.192	279	1.41	65	51.60	139	45.88	104	11.156	284	56.50	6	13.783	351	27.30	50
16.8	46.471	288	0.76	18	52.99	143	44.84	64	11.440	293	56.44	20	14.134	360	26.80	41
26.8	46.759	293	0.58	31	54.42	146	44.20	20	11.733	298	56.24	34	14.494	368	26.39	30
Okt. 6.7	47.052	294	0.89	80	55.88	145	44.00	24	12.031	300	55.90	46	14.862	370	26.09	20
16.7	47.346	289	1.69	128	57.33	142	44.24	68	12.331	298	55.44	58	15.232	366	25.89	8
26.7	47.635	278	2.97	171	58.75	136	44.92	112	12.629	289	54.86	67	15.598	355	25.81	5
Nov. 5.6	47.913	260	4.68	208	60.11	126	46.04	156	12.918	277	54.19	72	15.953	339	25.86	21
15.6	48.173	236	6.76	237	61.37	112	47.60	195	13.195	256	53.47	73	16.292	314	26.07	37
25.6	48.409	206	9.13	259	62.49	97	49.55	231	13.451	230	52.74	72	16.606	280	26.44	53
Dez. 5.6	48.615	167	11.72	270	63.46	76	51.86	260	13.681	196	52.02	67	16.886	238	26.97	70
15.5	48.782	124	14.42	273	64.22	56	54.46	282	13.877	156	51.35	58	17.124	189	27.67	84
25.5	48.906	77	17.15	266	64.78	31	57.28	295	14.033	110	50.77	48	17.313	132	28.51	95
35.5	48.983		19.81		65.09		60.23		14.143		50.29		17.445		29.46	
Mittl. Ort	44.699		4.86		46.68		72.21		8.929		64.38		11.173		42.71	
sec δ, tg δ	1.086		−0.422		5.568		+5.477		1.043		+0.296		1.295		+0.823	

Mittlere Zeit Greenw.	252) ν Argus AR.		Dekl.		253) *S* Monocerotis AR.		Dekl.		254) ε Geminorum AR.		Dekl.		256) ξ Geminorum AR.		Dekl.	
1921	$6^h\,35^m$		−43° 7′		$6^h\,36^m$		+9° 57′		$6^h\,39^m$		+25° 12′		$6^h\,40^m$		+12° 58′	
Jan. 0.5	22.927 s	19	44.11″	334	39.711 s	80	61.56″	85	6.581 s	93	28.00″	9	53.422 s	86	44.42″	68
10.5	22.946	41	47.45	313	39.791	31	60.71	72	6.674	40	28.09	20	53.508	36	43.74	55
20.4	22.905	102	50.58	285	39.822	18	59.99	59	6.714	15	28.29	27	53.544	14	43.19	43
30.4	22.803	156	53.43	250	39.804	65	59.40	45	6.699	66	28.56	31	53.530	62	42.76	31
Feb. 9.4	22.647	203	55.93	209	39.739	107	58.95	33	6.633	111	28.87	33	53.468	103	42.45	21
19.4	22.444	242	58.02	164	39.632	140	58.62	22	6.522	150	29.20	31	53.365	140	42.24	11
März 1.3	22.202	269	59.66	117	39.492	166	58.40	11	6.372	177	29.51	26	53.225	165	42.13	4
11.3	21.933	286	60.83	68	39.326	181	58.29	3	6.195	195	29.77	19	53.060	181	42.09	1
21.3	21.647	290	61.51	18	39.145	184	58.26	4	6.000	200	29.96	11	52.879	186	42.10	6
31.2	21.357	285	61.69	30	38.961	179	58.30	13	5.800	193	30.07	3	52.693	181	42.16	11
Apr. 10.2	21.072	267	61.39	78	38.782	163	58.43	19	5.607	177	30.10	6	52.512	165	42.27	14
20.2	20.805	240	60.61	123	38.619	139	58.62	26	5.430	151	30.04	13	52.347	143	42.41	19
30.2	20.565	206	59.38	165	38.480	109	58.88	34	5.279	118	29.91	18	52.204	111	42.60	24
Mai 10.1	20.359	166	57.73	203	38.371	73	59.22	42	5.161	80	29.73	22	52.093	76	42.84	28
20.1	20.193	121	55.70	236	38.298	35	59.64	49	5.081	38	29.51	25	52.017	38	43.12	34
30.1	20.072	72	53.34	264	38.263	4	60.13	56	5.043	5	29.26	25	51.979	2	43.46	40
Juni 9.1	20.000	21	50.70	285	38.267	44	60.69	63	5.048	49	29.01	24	51.981	41	43.86	44
19.0	19.979	28	47.85	298	38.311	82	61.32	67	5.097	90	28.77	22	52.022	80	44.30	49
29.0	20.007	78	44.87	304	38.393	118	61.99	70	5.187	129	28.55	21	52.102	116	44.79	50
Juli 9.0	20.085	125	41.83	300	38.511	151	62.69	70	5.316	165	28.34	18	52.218	150	45.29	51
18.9	20.210	170	38.83	287	38.662	180	63.39	67	5.481	197	28.16	17	52.368	179	45.80	49
28.9	20.380	212	35.96	266	38.842	206	64.06	61	5.678	225	27.99	17	52.547	206	46.29	44
Aug. 7.9	20.592	248	33.30	234	39.048	228	64.67	51	5.903	249	27.82	18	52.753	228	46.73	36
17.9	20.840	281	30.96	196	39.276	247	65.18	39	6.152	269	27.64	20	52.981	248	47.09	25
27.8	21.121	306	29.00	148	39.523	263	65.57	23	6.421	286	27.44	24	53.229	263	47.34	12
Sept. 6.8	21.427	328	27.52	95	39.786	274	65.80	5	6.707	300	27.20	28	53.492	277	47.46	4
16.8	21.755	342	26.57	36	40.060	283	65.85	15	7.007	310	26.92	32	53.769	286	47.42	21
26.8	22.097	350	26.21	24	40.343	290	65.70	35	7.317	315	26.60	38	54.055	292	47.21	37
Okt. 6.7	22.447	349	26.45	85	40.633	291	65.35	54	7.632	319	26.22	41	54.347	295	46.84	55
16.7	22.796	341	27.30	144	40.924	290	64.81	73	7.951	317	25.81	43	54.642	294	46.29	69
26.7	23.137	324	28.74	199	41.214	282	64.08	88	8.268	310	25.38	43	54.936	288	45.60	81
Nov. 5.6	23.461	299	30.73	247	41.496	269	63.20	99	8.578	297	24.95	41	55.224	276	44.79	90
15.6	23.760	264	33.20	287	41.765	251	62.21	105	8.875	277	24.54	35	55.500	257	43.89	94
25.6	24.024	222	36.07	317	42.016	225	61.16	108	9.152	249	24.19	28	55.757	231	42.95	95
Dez. 5.6	24.246	172	39.24	334	42.241	192	60.08	106	9.401	214	23.91	17	55.988	199	42.00	90
15.5	24.418	116	42.58	343	42.433	152	59.02	99	9.615	172	23.74	6	56.187	159	41.10	83
25.5	24.534	57	46.01	338	42.585	108	58.03	90	9.787	124	23.68	5	56.346	115	40.27	73
35.5	24.591		49.39		42.693		57.13		9.911		23.73		56.461		39.54	
Mittl. Ort	20.615		34.17		37.685		71.78		4.383		38.21		51.373		54.75	
sec δ, tg δ	1.370		—0.937		1.015		+0.176		1.105		+0.471		1.026		+0.231	

Mittlere Zeit Greenw.	257) α Canis maj.*) AR.		Dekl.		258) 18 Monocerotis AR.		Dekl.		262) α Pictoris AR.		Dekl.		261) ϑ Geminorum AR.		Dekl.	
1921	6h 41m		−16° 36′		6h 43m		+2° 29′		6h 47m		−61° 51′		6h 47m		+34° 3′	
Jan. 0.5	41.868s	58	36.61″	239	46.531s	82	48.23″	133	26.13s	2	31.43″	367	37.405s	110	17.39″	63
10.5	41.926	9	39.00	220	46.613	32	46.90	117	26.11	11	35.10	351	37.515	50	18.02	72
20.4	41.935	40	41.20	197	46.645	15	45.73	101	26.00	20	38.61	324	37.565	8	18.74	78
30.4	41.895	86	43.17	170	46.630	62	44.72	83	25.80	27	41.85	288	37.557	65	19.52	78
Feb. 9.4	41.809	126	44.87	139	46.568	103	43.89	65	25.53	35	44.73	247	37.492	116	20.30	73
19.4	41.683	160	46.26	108	46.465	137	43.24	47	25.18	40	47.20	200	37.376	159	21.03	65
März 1.3	41.523	183	47.34	75	46.328	163	42.77	30	24.78	45	49.20	150	37.217	190	21.68	53
11.3	41.340	198	48.09	42	46.165	178	42.47	14	24.33	47	50.70	98	37.027	211	22.21	37
21.3	41.142	202	48.51	9	45.987	184	42.33	1	23.86	48	51.68	43	36.816	219	22.58	21
31.2	40.940	196	48.60	23	45.803	179	42.34	16	23.38	48	52.11	10	36.597	214	22.79	2
Apr. 10.2	40.744	181	48.37	53	45.624	164	42.50	30	22.90	46	52.01	63	36.383	197	22.81	16
20.2	40.563	158	47.84	84	45.460	142	42.80	44	22.44	43	51.38	114	36.186	171	22.65	31
30.2	40.405	129	47.00	111	45.318	114	43.24	58	22.01	38	50.24	161	36.015	137	22.34	45
Mai 10.1	40.276	95	45.89	136	45.204	80	43.82	70	21.63	33	48.63	205	35.878	96	21.89	57
20.1	40.181	57	44.53	158	45.124	43	44.52	83	21.30	26	46.58	245	35.782	52	21.32	66
30.1	40.124	18	42.95	177	45.081	5	45.35	92	21.04	20	44.13	276	35.730	5	20.66	71
Juni 9.1	40.106	22	41.18	191	45.076	33	46.27	101	20.84	13	41.37	303	35.725	41	19.95	75
19.0	40.128	60	39.27	201	45.109	71	47.28	108	20.71	5	38.34	320	35.766	87	19.20	76
29.0	40.188	98	37.26	204	45.180	105	48.36	110	20.66	3	35.14	329	35.853	130	18.44	75
Juli 9.0	40.286	132	35.22	201	45.285	139	49.46	109	20.69	10	31.85	329	35.983	168	17.69	73
18.9	40.418	163	33.21	193	45.424	167	50.55	105	20.79	18	28.56	319	36.151	205	16.96	70
28.9	40.581	192	31.28	176	45.591	194	51.60	95	20.97	25	25.37	298	36.356	236	16.26	67
Aug. 7.9	40.773	216	29.52	153	45.785	217	52.55	82	21.22	31	22.39	268	36.592	264	15.59	63
17.9	40.989	237	27.99	125	46.002	237	53.37	65	21.53	37	19.71	229	36.856	287	14.96	60
27.8	41.226	255	26.74	89	46.239	252	54.02	43	21.90	43	17.42	180	37.143	306	14.36	57
Sept. 6.8	41.481	270	25.85	51	46.491	266	54.45	19	22.33	46	15.62	124	37.449	323	13.79	53
16.8	41.751	279	25.34	7	46.757	276	54.64	8	22.79	49	14.38	63	37.772	334	13.26	51
26.8	42.030	285	25.27	37	47.033	283	54.56	36	23.28	50	13.75	2	38.106	343	12.75	45
Okt. 6.7	42.315	287	25.64	81	47.316	286	54.20	63	23.78	51	13.77	69	38.449	347	12.30	41
16.7	42.602	283	26.45	124	47.602	285	53.57	88	24.29	49	14.46	133	38.796	347	11.89	33
26.7	42.885	275	27.69	163	47.887	279	52.69	111	24.78	47	15.79	194	39.143	341	11.56	24
Nov. 5.6	43.160	259	29.32	195	48.166	267	51.58	129	25.25	42	17.73	250	39.484	327	11.32	14
15.6	43.419	237	31.27	222	48.433	249	50.29	141	25.67	37	20.23	296	39.811	307	11.18	0
25.6	43.656	209	33.49	239	48.682	223	48.88	149	26.04	29	23.19	331	40.118	277	11.18	14
Dez. 5.6	43.865	174	35.88	250	48.905	192	47.39	150	26.33	22	26.50	357	40.395	240	11.32	30
15.5	44.039	132	38.38	250	49.097	152	45.89	146	26.55	13	30.07	370	40.635	195	11.62	44
25.5	44.171	87	40.88	244	49.249	110	44.43	136	26.68	4	33.77	370	40.830	142	12.06	58
35.5	44.258		43.32		49.359		43.07		26.72		37.47		40.972		12.64	
Mittl. Ort	39.883		26.26		44.548		58.57		22.91		22.64		35.051		28.04	
sec δ, tg δ	1.044		−0.298		1.001		+0.044		2.120		−1.869		1.207		+0.676	

*) Ort des Hauptsterns; die jährliche Parallaxe (0.″38) ist bereits berücksichtigt

Mittlere Zeit Greenw.	265) 15 Lyncis AR.		265) 15 Lyncis Dekl.		266) ϑ Canis maj. AR.		266) ϑ Canis maj. Dekl.		268) ε Canis maj. AR.		268) ε Canis maj. Dekl.		269) ζ Geminorum AR.		269) ζ Geminorum Dekl.	
1921	$6^h\ 50^m$		$+58°\ 31'$		$6^h\ 50^m$		$-11°\ 56'$		$6^h\ 55^m$		$-28°\ 51'$		$6^h\ 59^m$		$+20°\ 40'$	
Jan. 0.5	29.906 s	144	30.34 ″	202	33.148 s	77	29.54 ″	215	33.314 s	66	58.99 ″	294	27.597 s	111	63.58 ″	24
10.5	30.050	53	32.36	207	33.225	27	31.69	198	33.380	12	61.93	278	27.708	58	63.34	11
20.5	30.103	37	34.43	204	33.252	21	33.67	178	33.392	41	64.71	253	27.766	5	63.23	1
30.4	30.066	124	36.47	192	33.231	69	35.45	152	33.351	91	67.24	224	27.771	46	63.24	11
Feb. 9.4	29.942	202	38.39	172	33.162	109	36.97	126	33.260	135	69.48	189	27.725	92	63.35	17
19.4	29.740	268	40.11	144	33.053	144	38.23	98	33.125	173	71.37	151	27.633	132	63.52	21
März 1.3	29.472	318	41.55	110	32.909	171	39.21	69	32.952	201	72.88	112	27.501	162	63.73	22
11.3	29.154	351	42.65	72	32.738	186	39.90	39	32.751	218	74.00	71	27.339	182	63.95	20
21.3	28.803	364	43.37	31	32.552	193	40.29	12	32.533	227	74.71	29	27.157	191	64.15	18
31.3	28.439	359	43.68	10	32.359	189	40.41	18	32.306	223	75.00	11	26.966	188	64.33	15
Apr. 10.2	28.080	336	43.58	50	32.170	177	40.23	44	32.083	212	74.89	52	26.778	176	64.48	9
20.2	27.744	299	43.08	88	31.993	155	39.79	71	31.871	190	74.37	91	26.602	154	64.57	6
30.2	27.445	247	42.20	122	31.838	129	39.08	95	31.681	163	73.46	126	26.448	125	64.63	3
Mai 10.2	27.198	187	40.98	150	31.709	96	38.13	119	31.518	130	72.20	161	26.323	91	64.66	0
20.1	27.011	118	39.48	173	31.613	60	36.94	139	31.388	93	70.59	189	26.232	52	64.66	1
30.1	26.893	48	37.75	190	31.553	23	35.55	156	31.295	52	68.70	215	26.180	13	64.65	1
Juni 9.1	26.845	26	35.85	202	31.530	16	33.99	170	31.243	12	66.55	235	26.167	28	64.64	0
19.0	26.871	98	33.83	207	31.546	52	32.29	179	31.231	30	64.20	248	26.195	67	64.64	0
29.0	26.969	167	31.76	209	31.598	89	30.50	184	31.261	70	61.72	255	26.262	105	64.64	1
Juli 9.0	27.136	232	29.67	203	31.687	123	28.66	183	31.331	109	59.17	254	26.367	140	64.65	0
19.0	27.368	291	27.64	195	31.810	153	26.83	175	31.440	145	56.63	246	26.507	171	64.65	1
28.9	27.659	344	25.69	183	31.963	182	25.08	162	31.585	178	54.17	229	26.678	200	64.64	3
Aug. 7.9	28.003	391	23.86	166	32.145	206	23.46	142	31.763	209	51.88	205	26.878	225	64.61	8
17.9	28.394	432	22.20	148	32.351	229	22.04	117	31.972	235	49.83	172	27.103	247	64.53	15
27.8	28.826	465	20.72	127	32.580	246	20.87	86	32.207	259	48.11	133	27.350	265	64.38	22
Sept. 6.8	29.291	493	19.45	104	32.826	262	20.01	50	32.466	278	46.78	87	27.615	281	64.16	32
16.8	29.784	513	18.41	78	33.088	274	19.51	11	32.744	293	45.91	36	27.896	294	63.84	41
26.8	30.297	526	17.63	51	33.362	282	19.40	29	33.037	304	45.55	16	28.190	304	63.43	51
Okt. 6.7	30.823	531	17.12	23	33.644	286	19.69	70	33.341	307	45.71	69	28.494	310	62.92	59
16.7	31.354	529	16.89	9	33.930	285	20.39	109	33.648	307	46.40	122	28.804	311	62.33	66
26.7	31.883	517	16.98	39	34.215	279	21.48	144	33.955	298	47.62	171	29.115	308	61.67	70
Nov. 5.7	32.400	493	17.37	71	34.494	267	22.92	176	34.253	283	49.33	213	29.423	298	60.97	72
15.6	32.893	457	18.08	103	34.761	248	24.68	199	34.536	260	51.46	249	29.721	282	60.25	69
25.6	33.350	410	19.11	132	35.009	221	26.67	215	34.796	229	53.95	276	30.003	258	59.56	63
Dez. 5.6	33.760	349	20.43	159	35.230	189	28.82	225	35.025	191	56.71	293	30.261	225	58.93	54
15.5	34.109	278	22.02	182	35.419	149	31.07	226	35.216	147	59.64	300	30.486	186	58.39	42
25.5	34.387	196	23.84	198	35.568	104	33.33	219	35.363	96	62.64	298	30.672	141	57.97	30
35.5	34.583		25.82		35.672		35.52		35.459		65.62		30.813		57.67	
Mittl. Ort	26.462		41.06		31.176		19.44		31.221		49.53		25.491		74.65	
sec δ, tg δ	1.916		+1.634		1.022		−0.211		1.142		−0.551		1.069		+0.378	

Mittlere Zeit Greenw.	271) γ Canis maj.				273) δ Canis maj.				274) 63 Aurigae				277) λ Geminorum			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	7h 0m		−15° 30′		7h 5m		−26° 15′		7h 6m		+39° 26′		7h 13m		+16° 40′	
Jan. 0.5	13.078	83	66.28	236	12.782	79	70.30	286	15.920	137	51.05	92	35.295	122	50.94	54
10.5	13.161	33	68.64	220	12.861	26	73.16	271	16.057	74	51.97	103	35.417	70	50.40	38
20.5	13.194	16	70.84	198	12.887	26	75.87	248	16.131	11	53.00	110	35.487	18	50.02	24
30.4	13.178	64	72.82	173	12.861	77	78.35	220	16.142	51	54.10	110	35.505	33	49.78	11
Feb. 9.4	13.114	107	74.55	144	12.784	121	80.55	187	16.091	109	55.20	106	35.472	80	49.67	1
19.4	13.007	143	75.99	115	12.663	160	82.42	151	15.982	157	56.26	95	35.392	120	49.66	8
März 1.4	12.864	170	77.14	82	12.503	188	83.93	114	15.825	195	57.21	79	35.272	151	49.74	13
11.3	12.694	188	77.96	51	12.315	208	85.07	74	15.630	220	58.00	60	35.121	173	49.87	17
21.3	12.506	196	78.47	19	12.107	217	85.81	34	15.410	233	58.60	38	34.948	184	50.04	19
31.3	12.310	194	78.66	12	11.890	216	86.15	5	15.177	232	58.98	15	34.764	183	50.23	19
Apr. 10.2	12.116	182	78.54	43	11.674	205	86.10	43	14.945	219	59.13	9	34.581	174	50.42	18
20.2	11.934	164	78.11	71	11.469	186	85.67	80	14.726	195	59.04	31	34.407	155	50.60	18
30.2	11.770	137	77.40	99	11.283	161	84.87	115	14.531	161	58.73	51	34.252	129	50.78	17
Mai 10.2	11.633	106	76.41	124	11.122	129	83.72	148	14.370	121	58.22	69	34.123	98	50.95	18
20.1	11.527	71	75.17	148	10.993	94	82.24	176	14.249	77	57.53	84	34.025	61	51.13	18
30.1	11.456	34	73.69	166	10.899	55	80.48	202	14.172	28	56.69	95	33.964	24	51.31	19
Juni 9.1	11.422	3	72.03	182	10.844	16	78.46	221	14.144	19	55.74	103	33.940	14	51.50	20
19.1	11.425	41	70.21	193	10.828	24	76.25	235	14.163	68	54.71	109	33.954	51	51.70	21
29.0	11.466	78	68.28	198	10.852	63	73.90	242	14.231	114	53.62	110	34.005	89	51.91	21
Juli 9.0	11.544	111	66.30	197	10.915	101	71.48	243	14.345	156	52.52	111	34.094	122	52.12	19
19.0	11.655	144	64.33	191	11.016	135	69.05	236	14.501	196	51.41	109	34.216	154	52.31	17
28.9	11.799	173	62.42	177	11.151	169	66.69	220	14.697	232	50.32	106	34.370	182	52.48	12
Aug. 7.9	11.972	200	60.65	157	11.320	199	64.49	198	14.929	262	49.26	101	34.552	207	52.60	4
17.9	12.172	223	59.08	130	11.519	225	62.51	167	15.191	291	48.25	96	34.759	230	52.64	4
27.9	12.395	243	57.78	97	11.744	250	60.84	130	15.482	314	47.29	91	34.989	251	52.60	16
Sept. 6.8	12.638	260	56.81	60	11.994	269	59.54	86	15.796	334	46.38	83	35.240	267	52.44	29
16.8	12.898	274	56.21	19	12.263	285	58.68	38	16.130	351	45.55	76	35.507	282	52.15	43
26.8	13.172	284	56.02	24	12.548	297	58.30	13	16.481	363	44.79	67	35.789	294	51.72	56
Okt. 6.8	13.456	289	56.26	69	12.845	303	58.43	64	16.844	371	44.12	56	36.083	302	51.16	69
16.7	13.745	290	56.95	110	13.148	304	59.07	116	17.215	374	43.56	43	36.385	306	50.47	80
26.7	14.035	285	58.05	150	13.452	299	60.23	162	17.589	370	43.13	29	36.691	305	49.67	89
Nov. 5.7	14.320	274	59.55	183	13.751	285	61.85	205	17.959	360	42.84	11	36.996	298	48.78	94
15.6	14.594	255	61.38	211	14.036	265	63.90	240	18.319	340	42.73	7	37.294	283	47.84	94
25.6	14.849	229	63.49	230	14.301	236	66.30	267	18.659	312	42.80	28	37.577	262	46.90	91
Dez. 5.6	15.078	196	65.79	242	14.537	201	68.97	283	18.971	274	43.08	48	37.839	232	45.99	83
15.6	15.274	157	68.21	245	14.738	158	71.80	291	19.245	227	43.56	67	38.071	194	45.16	73
25.5	15.431	112	70.66	240	14.896	109	74.71	290	19.472	173	44.23	85	38.265	151	44.43	59
35.5	15.543		73.06		15.005		77.61		19.645		45.08		38.416		43.84	
Mittl. Ort	11.090		56.42		10.711		61.05		13.477		62.89		33.254		62.36	
sec δ, tg δ	1.038		−0.278		1.115		−0.494		1.295		+0.823		1.044		+0.300	

Mittlere Zeit Greenw.	278) π Argus				279) δ Geminorum				280) 19 Lyncis sq.				281) δ Volantis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	$7^h\ 14^m$		$-36°\ 57'$		$7^h\ 15^m$		$+22°\ 7'$		$7^h\ 16^m$		$+55°\ 25'$		$7^h\ 16^m$		$-67°\ 48'$	
Jan. 0.5	23.351	79	26.02	329	26.507	129	32.82	19	28.751	182	41.76	180	56.54	3	52.16	380
10.5	23.430	21	29.31	314	26.636	75	32.63	5	28.933	97	43.56	191	56.57	9	55.96	368
20.5	23.451	37	32.45	293	26.711	22	32.58	9	29.030	13	45.47	195	56.48	20	59.64	350
30.4	23.414	92	35.38	263	26.733	32	32.67	19	29.043	71	47.42	191	56.28	31	63.14	321
Feb. 9.4	23.322	142	38.01	228	26.701	80	32.86	26	28.972	148	49.33	177	55.97	39	66.35	285
19.4	23.180	183	40.29	189	26.621	122	33.12	31	28.824	213	51.10	157	55.58	47	69.20	242
März 1.4	22.997	217	42.18	146	26.499	155	33.43	32	28.611	268	52.67	129	55.11	53	71.62	195
11.3	22.780	238	43.64	101	26.344	178	33.75	30	28.343	305	53.96	97	54.58	58	73.57	146
21.3	22.542	251	44.65	56	26.166	189	34.05	27	28.038	325	54.93	60	54.00	59	75.03	92
31.3	22.291	251	45.21	11	25.977	190	34.32	20	27.713	329	55.53	21	53.41	61	75.95	38
Apr. 10.3	22.040	242	45.32	35	25.787	180	34.52	15	27.384	315	55.74	18	52.80	60	76.33	15
20.2	21.798	225	44.97	78	25.607	161	34.67	9	27.069	287	55.56	54	52.20	57	76.18	68
30.2	21.573	198	44.19	120	25.446	134	34.76	3	26.782	246	55.02	89	51.63	52	75.50	119
Mai 10.2	21.375	166	42.99	159	25.312	102	34.79	1	26.536	196	54.13	120	51.11	47	74.31	166
20.1	21.209	130	41.40	193	25.210	64	34.78	5	26.340	138	52.93	145	50.64	41	72.65	210
30.1	21.079	89	39.47	223	25.146	27	34.73	8	26.202	76	51.48	166	50.23	33	70.55	248
Juni 9.1	20.990	46	37.24	248	25.119	14	34.65	9	26.126	11	49.82	182	49.90	24	68.07	280
19.1	20.944	3	34.76	265	25.133	52	34.56	10	26.115	53	48.00	193	49.66	16	65.27	304
29.0	20.941	41	32.11	276	25.185	90	34.46	12	26.168	116	46.07	197	49.50	6	62.23	321
Juli 9.0	20.982	83	29.35	279	25.275	125	34.34	13	26.284	176	44.10	200	49.44	3	59.02	327
19.0	21.065	124	26.56	273	25.400	158	34.21	15	26.460	232	42.10	196	49.47	13	55.75	324
29.0	21.189	163	23.83	257	25.558	188	34.06	19	26.692	283	40.14	189	49.60	22	52.51	311
Aug. 7.9	21.352	199	21.26	234	25.746	213	33.87	24	26.975	329	38.25	179	49.82	31	49.40	288
17.9	21.551	232	18.92	202	25.959	238	33.63	29	27.304	369	36.46	165	50.13	40	46.52	255
27.9	21.783	262	16.90	162	26.197	258	33.34	37	27.673	405	34.81	149	50.53	47	43.97	211
Sept. 6.8	22.045	286	15.28	114	26.455	276	32.97	46	28.078	436	33.32	131	51.00	53	41.86	159
16.8	22.331	307	14.14	61	26.731	291	32.51	54	28.514	460	32.01	110	51.53	57	40.27	101
26.8	22.638	322	13.53	5	27.022	304	31.97	62	28.974	478	30.91	87	52.10	61	39.26	38
Okt. 6.8	22.960	331	13.48	54	27.326	312	31.35	70	29.452	491	30.04	60	52.71	63	38.88	29
16.7	23.291	332	14.02	111	27.638	317	30.65	75	29.943	496	29.44	33	53.34	62	39.17	95
26.7	23.623	325	15.13	167	27.955	316	29.90	78	30.439	491	29.11	3	53.96	59	40.12	160
Nov. 5.7	23.948	312	16.80	216	28.271	309	29.12	78	30.930	477	29.08	29	54.55	55	41.72	219
15.7	24.260	287	18.96	257	28.580	294	28.34	73	31.407	451	29.37	61	55.10	49	43.91	271
25.6	24.547	255	21.53	291	28.874	272	27.61	65	31.858	414	29.98	92	55.59	41	46.62	314
Dez. 5.6	24.802	215	24.44	315	29.146	242	26.96	54	32.272	363	30.90	123	56.00	31	49.76	347
15.6	25.017	167	27.59	327	29.388	204	26.42	41	32.635	302	32.13	149	56.31	21	53.23	368
25.5	25.184	113	30.86	330	29.592	158	26.01	26	32.937	228	33.62	172	56.52	10	56.91	376
35.5	25.297		34.16		29.750		25.75		33.165		35.34		56.62		60.67	
Mittl. Ort	21.113		17.74		24.415		44.56		25.671		54.59		52.55		45.74	
sec δ, tg δ	1.251		−0.752		1.080		+0.407		1.763		+1.451		2.648		−2.452	

282) ι Geminorum

Mittlere Zeit Greenw.	AR.		Dekl.	
1921	7h 20m		+27° 57′	
Jan. 0.5	51.522 s	140	10.60 ″	15
10.5	51.662	85	10.75	31
20.5	51.747	28	11.06	43
30.5	51.775	28	11.49	51
Feb. 9.4	51.747	80	12.00	57
19.4	51.667	124	12.57	56
März 1.4	51.543	160	13.13	53
11.3	51.383	184	13.66	46
21.3	51.199	198	14.12	37
31.3	51.001	200	14.49	25
Apr. 10.3	50.801	190	14.74	12
20.2	50.611	171	14.86	1
30.2	50.440	145	14.87	11
Mai 10.2	50.295	111	14.76	20
20.2	50.184	73	14.56	30
30.1	50.111	33	14.26	35
Juni 9.1	50.078	7	13.91	41
19.1	50.085	49	13.50	44
29.0	50.134	88	13.06	47
Juli 9.0	50.222	125	12.59	50
19.0	50.347	160	12.09	51
29.0	50.507	191	11.58	53
Aug. 7.9	50.698	219	11.05	56
17.9	50.917	244	10.49	59
27.9	51.161	267	9.90	63
Sept. 6.9	51.428	286	9.27	66
16.8	51.714	303	8.61	70
26.8	52.017	316	7.91	72
Okt. 6.8	52.333	326	7.19	74
16.7	52.659	332	6.45	73
26.7	52.991	331	5.72	70
Nov. 5.7	53.322	325	5.02	63
15.7	53.647	311	4.39	53
25.6	53.958	289	3.86	41
Dez. 5.6	54.247	257	3.45	25
15.6	54.504	218	3.20	9
25.6	54.722	171	3.11	8
35.5	54.893		3.19	
Mittl. Ort	49.364		22.83	
sec δ, tg δ	1.132		+0.531	

284) Gr. 1308

Mittlere Zeit Greenw.	AR.		Dekl.	
1921	7h 22m		+68° 37′	
Jan. 0.5	44.86 s	25	31.03 ″	242
10.5	45.11	13	33.45	253
20.5	45.24	0	35.98	255
30.5	45.24	13	38.53	246
Feb. 9.4	45.11	24	40.99	228
19.4	44.87	35	43.27	199
März 1.4	44.52	43	45.26	163
11.3	44.09	49	46.89	121
21.3	43.60	52	48.10	74
31.3	43.08	54	48.84	25
Apr. 10.3	42.54	52	49.09	24
20.2	42.02	48	48.85	72
30.2	41.54	42	48.13	116
Mai 10.2	41.12	36	46.97	155
20.2	40.76	26	45.42	188
30.1	40.50	18	43.54	216
Juni 9.1	40.32	8	41.38	238
19.1	40.24	3	39.00	251
29.0	40.27	12	36.49	259
Juli 9.0	40.39	22	33.90	261
19.0	40.61	31	31.29	256
29.0	40.92	39	28.73	247
Aug. 7.9	41.31	47	26.26	232
17.9	41.78	54	23.94	213
27.9	42.32	59	21.81	189
Sept. 6.9	42.91	65	19.92	163
16.8	43.56	69	18.29	133
26.8	44.25	72	16.96	99
Okt. 6.8	44.97	74	15.97	63
16.7	45.71	74	15.34	24
26.7	46.45	74	15.10	16
Nov. 5.7	47.19	71	15.26	58
15.7	47.90	67	15.84	99
25.6	48.57	61	16.83	139
Dez. 5.6	49.18	54	18.22	176
15.6	49.72	44	19.98	208
25.6	50.16	32	22.06	232
35.5	50.48		24.38	
Mittl. Ort	40.44		44.48	
sec δ, tg δ	2.744		+2.555	

285) β Canis min.

Mittlere Zeit Greenw.	AR.		Dekl.	
1921	7h 22m		+8° 26′	
Jan. 0.5	54.034 s	124	47.33 ″	108
10.5	54.158	74	46.25	91
20.5	54.232	24	45.34	75
30.5	54.256	26	44.59	58
Feb. 9.4	54.230	72	44.01	41
19.4	54.158	112	43.60	26
März 1.4	54.046	143	43.34	13
11.3	53.903	165	43.21	2
21.3	53.738	176	43.19	9
31.3	53.562	178	43.28	17
Apr. 10.3	53.384	170	43.45	25
20.2	53.214	154	43.70	33
30.2	53.060	129	44.03	39
Mai 10.2	52.931	101	44.42	46
20.2	52.830	68	44.88	52
30.1	52.762	33	45.40	58
Juni 9.1	52.729	4	45.98	62
19.1	52.733	40	46.60	66
29.0	52.773	74	47.26	66
Juli 9.0	52.847	107	47.92	65
19.0	52.954	137	48.57	61
29.0	53.091	166	49.18	53
Aug. 7.9	53.257	191	49.71	43
17.9	53.448	214	50.14	28
27.9	53.662	235	50.42	12
Sept. 6.9	53.897	253	50.54	8
16.8	54.150	268	50.46	29
26.8	54.418	282	50.17	51
Okt. 6.8	54.700	291	49.66	73
16.7	54.991	296	48.93	92
26.7	55.287	296	48.01	110
Nov. 5.7	55.583	291	46.91	122
15.7	55.874	279	45.69	131
25.6	56.153	257	44.38	133
Dez. 5.6	56.410	230	43.05	132
15.6	56.640	194	41.73	124
25.6	56.834	152	40.49	113
35.5	56.986		39.36	
Mittl. Ort	52.063		58.50	
sec δ, tg δ	1.011		+0.149	

286) ρ Geminorum

Mittlere Zeit Greenw.	AR.		Dekl.	
1921	7h 24m		+31° 56′	
Jan. 0.5	4.187 s	148	22.02 ″	40
10.5	4.335	91	22.42	56
20.5	4.426	32	22.98	67
30.5	4.458	25	23.65	75
Feb. 9.4	4.433	80	24.40	78
19.4	4.353	126	25.18	75
März 1.4	4.227	165	25.93	68
11.3	4.062	190	26.61	58
21.3	3.872	205	27.19	44
31.3	3.667	208	27.63	29
Apr. 10.3	3.459	199	27.92	12
20.2	3.260	180	28.04	4
30.2	3.080	152	28.00	19
Mai 10.2	2.928	119	27.81	32
20.2	2.809	80	27.49	44
30.1	2.729	38	27.05	54
Juni 9.1	2.691	5	26.51	61
19.1	2.696	46	25.90	66
29.0	2.742	88	25.24	70
Juli 9.0	2.830	126	24.54	73
19.0	2.956	162	23.81	75
29.0	3.118	196	23.06	76
Aug. 7.9	3.314	225	22.30	77
17.9	3.539	251	21.53	78
27.9	3.790	275	20.75	79
Sept. 6.9	4.065	296	19.96	80
16.8	4.361	314	19.16	79
26.8	4.675	328	18.37	79
Okt. 6.8	5.003	339	17.58	76
16.7	5.342	345	16.82	70
26.7	5.687	345	16.12	63
Nov. 5.7	6.032	339	15.49	53
15.7	6.371	325	14.96	39
25.6	6.696	302	14.57	23
Dez. 5.6	6.998	270	14.34	5
15.6	7.268	229	14.29	14
25.6	7.497	181	14.43	32
35.5	7.678		14.75	
Mittl. Ort	1.970		34.60	
sec δ, tg δ	1.178		+0.624	

Mittlere Zeit Greenw.	287) α Geminorum[1]				289) 25 Monocerotis				291) α Canis min.[2]				292) 24 Lyncis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	$7^h\,29^m$		$+32°\,3'$		$7^h\,33^m$		$-3°\,56'$		$7^h\,35^m$		$+5°\,25'$		$7^h\,36^m$		$+58°\,53'$	
Jan. 0.5	35.820	154	35.37	39	22.992	124	11.31	183	11.955	129	31.87	131	23.100	227	34.06	190
10.5	35.974	97	35.76	54	23.116	76	13.14	168	12.084	80	30.56	115	23.327	137	35.96	206
20.5	36.071	37	36.30	67	23.192	26	14.82	149	12.164	29	29.41	96	23.464	43	38.02	214
30.5	36.108	20	36.97	75	23.218	23	16.31	127	12.193	21	28.45	77	23.507	49	40.16	213
Feb. 9.4	36.088	75	37.72	79	23.195	69	17.58	105	12.172	66	27.68	59	23.458	135	42.29	202
19.4	36.013	123	38.51	78	23.126	108	18.63	81	12.106	107	27.09	41	23.323	213	44.31	183
März 1.4	35.890	161	39.29	71	23.018	140	19.44	58	11.999	139	26.68	25	23.110	276	46.14	156
11.3	35.729	189	40.00	60	22.878	163	20.02	36	11.860	161	26.43	9	22.834	322	47.70	122
21.3	35.540	204	40.60	48	22.715	175	20.38	14	11.699	175	26.34	3	22.512	352	48.92	85
31.3	35.336	209	41.08	32	22.540	179	20.52	7	11.524	177	26.37	15	22.160	362	49.77	43
Apr. 10.3	35.127	200	41.40	15	22.361	172	20.45	27	11.347	171	26.52	26	21.798	355	50.20	2
20.2	34.927	182	41.55	2	22.189	159	20.18	46	11.176	156	26.78	36	21.443	331	50.22	40
30.2	34.745	156	41.53	17	22.030	137	19.72	64	11.020	133	27.14	44	21.112	293	49.82	78
Mai 10.2	34.589	123	41.36	31	21.893	110	19.08	81	10.887	106	27.58	53	20.819	244	49.04	114
20.2	34.466	85	41.05	43	21.783	79	18.27	96	10.781	75	28.11	61	20.575	185	47.90	144
30.1	34.381	44	40.62	54	21.704	47	17.31	109	10.706	40	28.72	68	20.390	121	46.46	171
Juni 9.1	34.337	2	40.08	61	21.657	12	16.22	119	10.666	5	29.40	73	20.269	53	44.75	192
19.1	34.335	40	39.47	68	21.645	23	15.03	128	10.661	29	30.13	76	20.216	16	42.83	207
29.0	34.375	81	38.79	73	21.668	56	13.75	131	10.690	64	30.89	77	20.232	84	40.76	216
Juli 9.0	34.456	120	38.06	76	21.724	89	12.44	131	10.754	97	31.66	76	20.316	151	38.60	222
19.0	34.576	156	37.30	78	21.813	119	11.13	127	10.851	126	32.42	71	20.467	212	36.38	222
29.0	34.732	189	36.52	80	21.932	148	9.86	117	10.977	155	33.13	63	20.679	271	34.16	217
Aug. 7.9	34.921	219	35.72	82	22.080	174	8.69	103	11.132	181	33.76	50	20.950	324	31.99	209
17.9	35.140	246	34.90	83	22.254	199	7.66	82	11.313	204	34.26	35	21.274	373	29.90	197
27.9	35.386	271	34.07	84	22.453	221	6.84	59	11.517	226	34.61	16	21.647	415	27.93	181
Sept. 6.9	35.657	292	33.23	85	22.674	241	6.25	30	11.743	245	34.77	6	22.062	454	26.12	162
16.8	35.949	310	32.38	85	22.915	259	5.95	1	11.988	261	34.71	30	22.516	485	24.50	141
26.8	36.259	326	31.53	85	23.174	273	5.96	35	12.249	276	34.41	54	23.001	511	23.09	115
Okt. 6.8	36.585	338	30.68	82	23.447	284	6.31	68	12.525	287	33.87	79	23.512	529	21.94	87
16.7	36.923	345	29.86	76	23.731	290	6.99	100	12.812	293	33.08	102	24.041	540	21.07	56
26.7	37.268	346	29.10	69	24.021	293	7.99	131	13.105	295	32.06	122	24.581	540	20.51	23
Nov. 5.7	37.614	341	28.41	58	24.314	287	9.30	155	13.400	290	30.84	138	25.121	530	20.28	12
15.7	37.955	328	27.83	43	24.601	276	10.85	174	13.690	278	29.46	149	25.651	507	20.40	49
25.6	38.283	306	27.40	28	24.877	256	12.59	189	13.968	260	27.97	154	26.158	470	20.89	85
Dez. 5.6	38.589	274	27.12	9	25.133	229	14.48	194	14.228	233	26.43	153	26.628	419	21.74	120
15.6	38.863	234	27.03	10	25.362	193	16.42	194	14.461	197	24.90	148	27.047	354	22.94	152
25.6	39.097	186	27.13	30	25.555	152	18.36	187	14.658	156	23.42	136	27.401	279	24.46	179
35.5	39.283		27.43		25.707		20.23		14.814		22.06		27.680		26.25	
Mittl. Ort	33.619		48.23		21.055		1.03		10.011		43.07		19.909		48.47	
sec δ, tg δ	1.180		+0.626		1.002		−0.069		1.005		+0.095		1.936		+1.658	

[1]) AR. der Mitte; Dekl. des folgenden helleren Sterns

[2]) Ort des hellen Sterns; die jährliche Parallaxe (0.″33) ist bereits berücksichtigt

Mittlere Zeit Greenw.	294) κ Geminorum AR.		294) κ Geminorum Dekl.		295) β Geminorum AR.		295) β Geminorum Dekl.		296) π Geminorum AR.		296) π Geminorum Dekl.		297) ζ Volantis AR.		297) ζ Volantis Dekl.	
1921	$7^h\ 39^m$		$+24°\ 34'$		$7^h\ 40^m$		$+28°\ 12'$		$7^h\ 42^m$		$+33°\ 36'$		$7^h\ 42^m$		$-72°\ 24'$	
Jan. 0.5	42.922	156	66.20	12	31.176	160	52.34	10	27.181	171	25.30	43	52.86	9	63.82	381
10.5	43.078	102	66.08	6	31.336	105	52.44	28	27.352	113	25.73	62	52.95	5	67.63	379
20.5	43.180	47	66.14	21	31.441	48	52.72	44	27.465	53	26.35	75	52.90	19	71.42	366
30.5	43.227	8	66.35	34	31.489	9	53.16	54	27.518	7	27.10	86	52.71	33	75.08	343
Feb. 9.4	43.219	60	66.69	43	31.480	62	53.70	62	27.511	63	27.96	90	52.38	44	78.51	313
19.4	43.159	105	67.12	48	31.418	110	54.32	65	27.448	114	28.86	90	51.94	54	81.64	276
März 1.4	43.054	143	67.60	49	31.308	148	54.97	63	27.334	155	29.76	83	51.40	63	84.40	233
11.4	42.911	169	68.09	46	31.160	176	55.60	57	27.179	185	30.59	73	50.77	69	86.73	185
21.3	42.742	186	68.55	42	30.984	193	56.17	48	26.994	203	31.32	58	50.08	73	88.58	134
31.3	42.556	191	68.97	33	30.791	199	56.65	37	26.791	210	31.90	42	49.35	75	89.92	82
Apr. 10.3	42.365	185	69.30	25	30.592	193	57.02	24	26.581	205	32.32	23	48.60	75	90.74	29
20.2	42.180	170	69.55	15	30.399	178	57.26	11	26.376	189	32.55	5	47.85	74	91.03	25
30.2	42.010	147	69.70	6	30.221	154	57.37	2	26.187	164	32.60	13	47.11	69	90.78	78
Mai 10.2	41.863	118	69.76	2	30.067	124	57.35	14	26.023	134	32.47	29	46.42	65	90.00	128
20.2	41.745	84	69.74	10	29.943	89	57.21	24	25.889	96	32.18	45	45.77	57	88.72	174
30.1	41.661	46	69.64	16	29.854	51	56.97	33	25.793	57	31.73	57	45.20	49	86.98	218
Juni 9.1	41.615	9	69.48	22	29.803	11	56.64	40	25.736	15	31.16	68	44.71	40	84.80	254
19.1	41.606	30	69.26	27	29.792	28	56.24	46	25.721	27	30.48	76	44.31	29	82.26	284
29.1	41.636	67	68.99	30	29.820	66	55.78	52	25.748	68	29.72	82	44.02	17	79.42	307
Juli 9.0	41.703	103	68.69	34	29.886	104	55.26	56	25.816	107	28.90	88	43.85	6	76.35	320
19.0	41.806	136	68.35	39	29.990	138	54.70	60	25.923	144	28.02	92	43.79	6	73.15	324
29.0	41.942	167	67.96	43	30.128	171	54.10	64	26.067	179	27.10	95	43.85	18	69.91	318
Aug. 7.9	42.109	196	67.53	48	30.299	199	53.46	68	26.246	209	26.15	96	44.03	30	66.73	301
17.9	42.305	222	67.05	55	30.498	227	52.78	72	26.455	239	25.19	99	44.33	41	63.72	274
27.9	42.527	245	66.50	61	30.725	252	52.06	77	26.694	265	24.20	100	44.74	51	60.98	237
Sept. 6.9	42.772	267	65.89	69	30.977	273	51.29	81	26.959	288	23.20	100	45.25	60	58.61	190
16.8	43.039	286	65.20	76	31.250	292	50.48	86	27.247	309	22.20	100	45.85	68	56.71	135
26.8	43.325	302	64.44	83	31.542	310	49.62	88	27.556	327	21.20	97	46.53	73	55.36	75
Okt. 6.8	43.627	315	63.61	88	31.852	323	48.74	90	27.883	341	20.23	94	47.26	76	54.61	9
16.8	43.942	323	62.73	91	32.175	332	47.84	90	28.224	351	19.29	87	48.02	78	54.52	58
26.7	44.265	327	61.82	91	32.507	335	46.94	85	28.575	354	18.42	78	48.80	75	55.10	123
Nov. 5.7	44.592	324	60.91	87	32.842	332	46.09	78	28.929	351	17.64	65	49.55	71	56.33	185
15.7	44.916	313	60.04	80	33.174	322	45.31	67	29.280	340	16.99	49	50.26	64	58.18	243
25.6	45.229	294	59.24	70	33.496	302	44.64	54	29.620	320	16.50	31	50.90	55	60.61	291
Dez. 5.6	45.523	266	58.54	55	33.798	273	44.10	37	29.940	291	16.19	10	51.45	44	63.52	330
15.6	45.789	230	57.99	38	34.071	236	43.73	18	30.231	250	16.09	12	51.89	31	66.82	358
25.6	46.019	186	57.61	21	34.307	191	43.55	2	30.481	203	16.21	33	52.20	18	70.40	373
35.5	46.205		57.40		34.498		43.57		30.684		16.54		52.38		74.13	
Mittl. Ort	40.862		78.99		29.073		65.43		24.998		38.87		47.93		59.69	
sec δ, tg δ	1.100		+0.458		1.135		+0.537		1.201		+0.665		3.310		−3.156	

Mittlere Zeit Greenw.	300) Gr. 1374 AR.		Dekl.		303) χ Argus AR.		Dekl.	
	7h 50m		+74° 7′		7h 54m		−52° 46′	
1921	s		″		s		″	
Jan. 0.6	51.41	40	36.48	252	49.041	126	15.99	371
10.5	51.81	24	39.00	270	49.167	51	19.70	369
20.5	52.05	7	41.70	278	49.218	23	23.39	354
30.5	52.12	10	44.48	276	49.195	95	26.93	331
Feb. 9.4	52.02	26	47.24	260	49.100	162	30.24	301
19.4	51.76	40	49.84	236	48.938	219	33.25	264
März 1.4	51.36	53	52.20	202	48.719	268	35.89	221
11.4	50.83	62	54.22	159	48.451	303	38.10	174
21.3	50.21	68	55.81	112	48.148	328	39.84	126
31.3	49.53	72	56.93	60	47.820	340	41.10	76
Apr. 10.3	48.81	72	57.53	8	47.480	339	41.86	23
20.3	48.09	69	57.61	46	47.141	329	42.09	27
30.2	47.40	63	57.15	96	46.812	309	41.82	77
Mai 10.2	46.77	55	56.19	141	46.503	279	41.05	124
20.2	46.22	45	54.78	183	46.224	242	39.81	169
30.1	45.77	34	52.95	217	45.982	200	38.12	210
Juni 9.1	45.43	22	50.78	245	45.782	151	36.02	243
19.1	45.21	9	48.33	267	45.631	101	33.59	272
29.1	45.12	4	45.66	280	45.530	46	30.87	293
Juli 9.0	45.16	16	42.86	288	45.484	8	27.94	305
19.0	45.32	29	39.98	289	45.492	65	24.89	308
29.0	45.61	41	37.09	284	45.557	121	21.81	301
Aug. 8.0	46.02	52	34.25	273	45.678	176	18.80	285
17.9	46.54	62	31.52	256	45.854	227	15.95	258
27.9	47.16	70	28.96	235	46.081	276	13.37	221
Sept. 6.9	47.86	79	26.61	208	46.357	320	11.16	176
16.8	48.65	86	24.53	177	46.677	358	9.40	123
26.8	49.51	90	22.76	142	47.035	388	8.17	64
Okt. 6.8	50.41	95	21.34	104	47.423	409	7.53	1
16.8	51.36	97	20.30	61	47.832	421	7.52	64
26.7	52.33	97	19.69	16	48.253	420	8.16	128
Nov. 5.7	53.30	95	19.53	30	48.673	408	9.44	187
15.7	54.25	92	19.83	77	49.081	383	11.31	243
25.6	55.17	84	20.60	123	49.464	345	13.74	289
Dez. 5.6	56.01	75	21.83	167	49.809	297	16.63	325
15.6	56.76	63	23.50	205	50.106	236	19.88	351
25.6	57.39	50	25.55	239	50.342	169	23.39	366
35.5	57.89		27.94		50.511		27.05	
Mittl. Ort	46.14		52.27		46.263		11.33	
sec δ, tg δ	3.657		+3.518		1.653		−1.316	

Mittlere Zeit Greenw.	305) χ Geminorum AR.		Dekl.		306) ζ Argus AR.		Dekl.	
	7h 58m		+28° 0′		8h 0m		−39° 46′	
1921	s		″		s		″	
Jan. 0.6	42.209	180	47.23	2	50.705	136	53.41	344
10.5	42.389	126	47.25	22	50.841	77	56.85	338
20.5	42.515	68	47.47	40	50.918	15	60.23	323
30.5	42.583	12	47.87	54	50.933	44	63.46	300
Feb. 9.4	42.595	44	48.41	64	50.889	100	66.46	270
19.4	42.551	92	49.05	69	50.789	149	69.16	234
März 1.4	42.459	133	49.74	70	50.640	189	71.50	196
11.4	42.326	164	50.44	65	50.451	220	73.46	152
21.3	42.162	184	51.09	58	50.231	241	74.98	108
31.3	41.978	193	51.67	48	49.990	250	76.06	62
Apr. 10.3	41.785	191	52.15	34	49.740	251	76.68	15
20.3	41.594	179	52.49	22	49.489	241	76.83	30
30.2	41.415	159	52.71	8	49.248	224	76.53	74
Mai 10.2	41.256	132	52.79	5	49.024	199	75.79	117
20.2	41.124	99	52.74	17	48.825	169	74.62	156
30.1	41.025	64	52.57	27	48.656	135	73.06	191
Juni 9.1	40.961	27	52.30	37	48.521	97	71.15	222
19.1	40.934	12	51.93	45	48.424	56	68.93	246
29.1	40.946	49	51.48	52	48.368	15	66.47	265
Juli 9.0	40.995	85	50.96	59	48.353	27	63.82	274
19.0	41.080	120	50.37	64	48.380	70	61.08	276
29.0	41.200	152	49.73	70	48.450	112	58.32	269
Aug. 8.0	41.352	182	49.03	76	48.562	152	55.63	253
17.9	41.534	211	48.27	82	48.714	192	53.10	227
27.9	41.745	237	47.45	87	48.906	228	50.83	192
Sept. 6.9	41.982	262	46.58	94	49.134	261	48.91	150
16.8	42.244	283	45.64	98	49.395	292	47.41	101
26.8	42.527	302	44.66	103	49.687	316	46.40	46
Okt. 6.8	42.829	319	43.63	105	50.003	336	45.94	13
16.8	43.148	331	42.58	104	50.339	347	46.07	72
26.7	43.479	338	41.54	101	50.686	351	46.79	130
Nov. 5.7	43.817	339	40.53	93	51.037	346	48.09	185
15.7	44.156	330	39.60	83	51.383	329	49.94	234
25.6	44.486	314	38.77	68	51.712	304	52.28	275
Dez. 5.6	44.800	289	38.09	49	52.016	268	55.03	307
15.6	45.089	253	37.60	30	52.284	223	58.10	328
25.6	45.342	209	37.30	9	52.507	171	61.38	339
35.5	45.551		37.21		52.678		64.77	
Mittl. Ort	40.171		61.01		48.396		47.80	
sec δ, tg δ	1.133		+0.532		1.301		−0.833	

Mittlere Zeit Greenw.	307) 27 Lyncis				308) ι Navis				309) γ Argus				311) 20 Navis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	8ʰ 2ᵐ		+51° 43′		8ʰ 4ᵐ		−24° 4′		8ʰ 7ᵐ		−47° 6′		8ʰ 9ᵐ		−15° 32′	
1921	s		″		s		″		s		″		s		″	
Jan. 0.6	33.964	239	52.82	139	12.776	144	40.26	288	8.372	146	16.03	361	44.056	154	66.21	251
10.5	34.203	165	54.21	162	12.920	93	43.14	279	8.518	78	19.64	359	44.210	105	68.72	240
20.5	34.368	86	55.83	178	13.013	40	45.93	263	8.596	11	23.23	347	44.315	53	71.12	222
30.5	34.454	6	57.61	185	13.053	14	48.56	239	8.607	56	26.70	325	44.368	2	73.34	200
Feb. 9.5	34.460	69	59.46	184	13.039	62	50.95	211	8.551	116	29.95	296	44.370	46	75.34	174
19.4	34.391	138	61.30	175	12.977	107	53.06	180	8.435	171	32.91	261	44.324	90	77.08	146
März 1.4	34.253	197	63.05	157	12.870	143	54.86	146	8.264	217	35.52	221	44.234	126	78.54	115
11.4	34.056	243	64.62	134	12.727	171	56.32	110	8.047	251	37.73	176	44.108	153	79.69	85
21.3	33.813	273	65.96	104	12.556	189	57.42	73	7.796	276	39.49	130	43.955	171	80.54	54
31.3	33.540	288	67.00	71	12.367	198	58.15	37	7.520	288	40.79	81	43.784	180	81.08	23
Apr. 10.3	33.252	289	67.71	36	12.169	197	58.52	0	7.232	291	41.60	32	43.604	181	81.31	6
20.3	32.963	275	68.07	1	11.972	188	58.52	36	6.941	282	41.92	16	43.423	172	81.25	36
30.2	32.688	249	68.06	36	11.784	172	58.16	70	6.659	266	41.76	65	43.251	157	80.89	63
Mai 10.2	32.439	213	67.70	70	11.612	150	57.46	103	6.393	241	41.11	112	43.094	136	80.26	89
20.2	32.226	170	67.00	100	11.462	123	56.43	133	6.152	210	39.99	154	42.958	110	79.37	113
30.2	32.056	120	66.00	126	11.339	92	55.10	159	5.942	173	38.45	193	42.848	81	78.24	134
Juni 9.1	31.936	67	64.74	149	11.247	60	53.51	182	5.769	132	36.52	227	42.767	50	76.90	153
19.1	31.869	13	63.25	167	11.187	26	51.69	201	5.637	88	34.25	256	42.717	18	75.37	166
29.1	31.856	42	61.58	181	11.161	9	49.68	212	5.549	42	31.69	277	42.699	14	73.71	176
Juli 9.0	31.898	96	59.77	190	11.170	44	47.56	219	5.507	7	28.92	290	42.713	47	71.95	180
19.0	31.994	146	57.87	197	11.214	78	45.37	218	5.514	54	26.02	294	42.760	78	70.15	178
29.0	32.140	196	55.90	199	11.292	112	43.19	211	5.568	104	23.08	289	42.838	110	68.37	169
Aug. 8.0	32.336	241	53.91	197	11.404	144	41.08	194	5.672	150	20.19	275	42.948	139	66.68	156
17.9	32.577	283	51.94	192	11.548	174	39.14	171	5.822	197	17.44	250	43.087	168	65.12	134
27.9	32.860	321	50.02	185	11.722	203	37.43	141	6.019	241	14.94	215	43.255	195	63.78	107
Sept. 6.9	33.181	358	48.17	174	11.925	232	36.02	103	6.260	280	12.79	173	43.450	221	62.71	74
16.9	33.539	388	46.43	159	12.157	255	34.99	60	6.540	316	11.06	123	43.671	244	61.97	35
26.8	33.927	416	44.84	143	12.412	276	34.39	14	6.856	346	9.83	65	43.915	265	61.62	5
Okt. 6.8	34.343	438	43.41	122	12.688	294	34.25	36	7.202	368	9.18	5	44.180	282	61.67	48
16.8	34.781	453	42.19	98	12.982	306	34.61	85	7.570	382	9.13	57	44.462	295	62.15	91
26.7	35.234	462	41.21	71	13.288	312	35.46	133	7.952	387	9.70	120	44.757	303	63.06	133
Nov. 5.7	35.696	462	40.50	40	13.600	310	36.79	178	8.339	380	10.90	179	45.060	302	64.39	169
15.7	36.158	449	40.10	8	13.910	299	38.57	216	8.719	362	12.69	232	45.362	295	66.08	201
25.7	36.607	426	40.02	27	14.209	281	40.73	247	9.081	333	15.01	277	45.657	279	68.09	226
Dez. 5.6	37.033	389	40.29	61	14.490	253	43.20	269	9.414	293	17.78	314	45.936	255	70.35	243
15.6	37.422	341	40.90	96	14.743	217	45.89	284	9.707	241	20.92	340	46.191	221	72.78	252
25.6	37.763	281	41.86	125	14.960	173	48.73	287	9.948	183	24.32	355	46.412	181	75.30	252
35.6	38.044		43.11		15.133		51.60		10.131		27.87		46.593		77.82	
Mittl. Ort	31.368		68.71		10.751		32.87		5.841		11.62		42.123		57.84	
sec δ, tg δ	1.615		+1.268		1.095		−0.447		1.469		−1.076		1.038		−0.278	

Mittlere Zeit Greenw.	310) Br. 1147 AR.		310) Dekl.		312) β Cancri AR.		312) Dekl.		314) 31 Lyncis AR.		314) Dekl.		315) ε Argus AR.		315) Dekl.	
1921	$8^h\ 9^m$		$+75°\ 59'$		$8^h\ 12^m$		$+9°\ 25'$		$8^h\ 17^m$		$+43°\ 26'$		$8^h\ 20^m$		$-59°\ 15'$	
Jan. 0.6	44.91	51	43.79	248	15.824	171	35.98	116	28.237	231	17.49	85	56.866	178	19.42	377
10.5	45.42	33	46.27	271	15.995	124	34.82	98	28.468	169	18.34	110	57.044	91	23.19	382
20.5	45.75	14	48.98	284	16.119	73	33.84	79	28.637	100	19.44	129	57.135	5	27.01	374
30.5	45.89	4	51.82	286	16.192	20	33.05	59	28.737	32	20.73	143	57.140	80	30.75	358
Feb. 9.5	45.85	24	54.68	275	16.212	28	32.46	40	28.769	35	22.16	149	57.060	159	34.33	332
19.4	45.61	40	57.43	254	16.184	73	32.06	22	28.734	96	23.65	147	56.901	229	37.65	300
März 1.4	45.21	55	59.97	223	16.111	111	31.84	7	28.638	149	25.12	139	56.672	290	40.65	261
11.4	44.66	66	62.20	183	16.000	139	31.77	6	28.489	190	26.51	124	56.382	337	43.26	217
21.4	44.00	75	64.03	136	15.861	158	31.83	16	28.299	219	27.75	103	56.045	373	45.43	169
31.3	43.25	80	65.39	84	15.703	168	31.99	25	28.080	234	28.78	78	55.672	393	47.12	119
Apr. 10.3	42.45	82	66.23	31	15.535	169	32.24	31	27.846	238	29.56	51	55.279	403	48.31	67
20.3	41.63	80	66.54	23	15.366	159	32.55	37	27.608	229	30.07	22	54.876	399	48.98	15
30.2	40.83	74	66.31	76	15.207	144	32.92	41	27.379	210	30.29	7	54.477	384	49.13	38
Mai 10.2	40.09	67	65.55	125	15.063	121	33.33	45	27.169	181	30.22	35	54.093	359	48.75	88
20.2	39.42	58	64.30	169	14.942	95	33.78	49	26.988	146	29.87	61	53.734	324	47.87	137
30.2	38.84	45	62.61	208	14.847	66	34.27	50	26.842	107	29.26	85	53.410	282	46.50	183
Juni 9.1	38.39	32	60.53	241	14.781	34	34.77	52	26.735	63	28.41	105	53.128	233	44.67	221
19.1	38.07	18	58.12	266	14.747	2	35.29	52	26.672	19	27.36	122	52.895	177	42.46	256
29.1	37.89	4	55.46	284	14.745	30	35.81	51	26.653	27	26.14	137	52.718	118	39.90	283
Juli 9.1	37.85	10	52.62	297	14.775	62	36.32	47	26.680	71	24.77	149	52.600	54	37.07	302
19.0	37.95	24	49.65	301	14.837	92	36.79	42	26.751	113	23.28	157	52.546	12	34.05	312
29.0	38.19	38	46.64	300	14.929	121	37.21	34	26.864	154	21.71	163	52.558	80	30.93	312
Aug. 8.0	38.57	50	43.64	291	15.050	148	37.55	22	27.018	192	20.08	166	52.638	146	27.81	302
17.9	39.07	63	40.73	279	15.198	175	37.77	9	27.210	229	18.42	167	52.784	213	24.79	281
27.9	39.70	73	37.94	258	15.373	200	37.86	8	27.439	263	16.75	166	52.997	276	21.98	250
Sept. 6.9	40.43	83	35.36	234	15.573	224	37.78	28	27.702	295	15.09	163	53.273	334	19.48	208
16.9	41.26	92	33.02	205	15.797	245	37.50	48	27.997	324	13.46	157	53.607	387	17.40	159
26.8	42.18	98	30.97	170	16.042	265	37.02	70	28.321	350	11.89	147	53.994	430	15.81	103
Okt. 6.8	43.16	104	29.27	131	16.307	283	36.32	90	28.671	373	10.42	136	54.424	463	14.78	40
16.8	44.20	108	27.96	89	16.590	296	35.42	110	29.044	390	9.06	119	54.887	484	14.38	26
26.8	45.28	109	27.07	43	16.886	305	34.32	126	29.434	401	7.87	101	55.371	492	14.64	92
Nov. 5.7	46.37	108	26.64	5	17.191	306	33.06	139	29.835	405	6.86	78	55.863	483	15.56	155
15.7	47.45	104	26.69	55	17.497	302	31.67	146	30.240	399	6.08	51	56.346	461	17.11	215
25.7	48.49	98	27.24	104	17.799	289	30.21	149	30.639	383	5.57	22	56.807	421	19.26	267
Dez. 5.6	49.47	88	28.28	152	18.088	268	28.72	145	31.022	354	5.35	8	57.228	368	21.93	311
15.6	50.35	76	29.80	194	18.356	236	27.27	137	31.376	316	5.43	40	57.596	302	25.04	345
25.6	51.11	62	31.74	231	18.592	198	25.90	124	31.692	266	5.83	70	57.898	227	28.49	366
35.6	51.73		34.05		18.790		24.66		31.958		6.53		58.125		32.15	
Mittl. Ort	39.41		61.06		13.959		47.87		26.011		33.58		53.687		17.28	
sec δ, tg δ	4.134		+4.011		1.014		+0.166		1.377		+0.947		1.956		−1.681	

Mittlere Zeit Greenw.	316) Br. 1197				318) ϑ Chamael.				317) o Ursae maj.				320) Gr. 1450			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	$8^h\ 21^m$		$-3°\ 38'$		$8^h\ 22^m$		$-77°\ 13'$		$8^h\ 23^m$		$+60°\ 58'$		$8^h\ 27^m$		$+38°\ 16'$	
Jan. 0.6	44.690 s	171	62.04 "	193	68.66 s	27	48.96 "	373	45.80 s	33	43.48 "	174	49.221 s	229	62.36 "	49
10.5	44.861	124	63.97	178	68.93	8	52.69	382	46.13	23	45.22	201	49.450	172	62.85	75
20.5	44.985	74	65.75	160	69.01	11	56.51	381	46.36	13	47.23	221	49.622	109	63.60	98
30.5	45.059	23	67.35	139	68.90	30	60.32	369	46.49	3	49.44	230	49.731	44	64.58	113
Feb. 9.5	45.082	26	68.74	114	68.60	46	64.01	348	46.52	6	51.74	230	49.775	17	65.71	124
19.4	45.056	69	69.88	91	68.14	61	67.49	319	46.46	15	54.04	220	49.758	76	66.95	127
März 1.4	44.987	106	70.79	68	67.53	74	70.68	284	46.31	23	56.24	201	49.682	126	68.22	124
11.4	44.881	135	71.47	44	66.79	85	73.52	242	46.08	30	58.25	173	49.556	166	69.46	115
21.4	44.746	154	71.91	23	65.94	93	75.94	197	45.78	34	59.98	139	49.390	194	70.61	99
31.3	44.592	166	72.14	2	65.01	98	77.91	147	45.44	37	61.37	99	49.196	210	71.60	81
Apr. 10.3	44.426	167	72.16	17	64.03	101	79.38	96	45.07	38	62.36	56	48.986	216	72.41	58
20.3	44.259	160	71.99	36	63.02	102	80.34	42	44.69	37	62.92	12	48.770	208	72.99	34
30.2	44.099	147	71.63	52	62.00	100	80.76	11	44.32	34	63.04	31	48.562	193	73.33	10
Mai 10.2	43.952	127	71.11	68	61.00	95	80.65	64	43.98	32	62.73	74	48.369	168	73.43	15
20.2	43.825	103	70.43	82	60.05	88	80.01	115	43.66	26	61.99	112	48.201	138	73.28	38
30.2	43.722	75	69.61	95	59.17	80	78.86	164	43.40	20	60.87	147	48.063	102	72.90	58
Juni 9.1	43.647	47	68.66	105	58.37	69	77.22	207	43.20	14	59.40	177	47.961	64	72.32	78
19.1	43.600	16	67.61	112	57.68	56	75.15	245	43.06	8	57.63	202	47.897	24	71.54	94
29.1	43.584	15	66.49	117	57.12	43	72.70	277	42.98	0	55.61	222	47.873	17	70.60	109
Juli 9.1	43.599	45	65.32	117	56.69	27	69.93	300	42.98	6	53.39	236	47.890	56	69.51	121
19.0	43.644	75	64.15	114	56.42	12	66.93	315	43.04	13	51.03	246	47.946	95	68.30	130
29.0	43.719	104	63.01	106	56.30	6	63.78	319	43.17	19	48.57	250	48.041	133	67.00	139
Aug. 8.0	43.823	132	61.95	93	56.36	22	60.59	313	43.36	25	46.07	250	48.174	168	65.61	145
17.9	43.955	159	61.02	75	56.58	39	57.46	297	43.61	31	43.57	244	48.342	202	64.16	149
27.9	44.114	186	60.27	53	56.97	55	54.49	270	43.92	36	41.13	235	48.544	234	62.67	152
Sept. 6.9	44.300	210	59.74	26	57.52	69	51.79	231	44.28	42	38.78	221	48.778	265	61.15	153
16.9	44.510	234	59.48	4	58.21	81	49.48	185	44.70	46	36.57	202	49.043	293	59.62	151
26.8	44.744	255	59.52	36	59.02	92	47.63	129	45.16	50	34.55	180	49.336	319	58.11	148
Okt. 6.8	44.999	274	59.88	69	59.94	99	46.34	68	45.66	53	32.75	153	49.655	342	56.63	142
16.8	45.273	288	60.57	101	60.93	103	45.66	4	46.19	55	31.22	121	49.997	361	55.21	131
26.8	45.561	298	61.58	131	61.96	104	45.62	64	46.74	57	30.01	87	50.358	374	53.90	117
Nov. 5.7	45.859	302	62.89	158	63.00	101	46.26	129	47.31	58	29.14	48	50.732	380	52.73	100
15.7	46.161	298	64.47	178	64.01	94	47.55	191	47.89	56	28.66	8	51.112	376	51.73	77
25.7	46.459	285	66.25	194	64.95	84	49.46	247	48.45	54	28.58	36	51.488	364	50.96	52
Dez. 5.6	46.744	264	68.19	201	65.79	71	51.93	294	48.99	50	28.94	78	51.852	340	50.44	25
15.6	47.008	234	70.20	202	66.50	55	54.87	332	49.49	45	29.72	119	52.192	306	50.19	5
25.6	47.242	196	72.22	197	67.05	38	58.19	359	49.94	37	30.91	156	52.498	261	50.24	34
35.6	47.438		74.19		67.43		61.78		50.31		32.47		52.759		50.58	
Mittl. Ort	42.845		52.11		62.07		48.45		42.88		61.24		47.164		78.38	
sec δ, tg δ	1.002		−0.064		4.524		−4.412		2.062		+1.803		1.274		+0.790	

Mittlere Zeit Greenw.	321) η Cancri				326) δ Cancri				327) α Pyxidis				328) ι Cancri			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	8h 28m		+20° 42′		8h 40m		+18° 26′		8h 40m		−32° 54′		8h 41m		+29° 2′	
Jan. 0.6	10.459 s	198	24.06″	55	13.700 s	207	30.40″	74	27.131 s	185	7.68″	322	57.109 s	224	44.11″	12
10.6	10.657	149	23.51	33	13.907	159	29.66	52	27.316	130	10.90	320	57.333	173	43.99	14
20.5	10.806	96	23.18	11	14.066	106	29.14	29	27.446	74	14.10	309	57.506	117	44.13	38
30.5	10.902	41	23.07	9	14.172	53	28.85	7	27.520	17	17.19	291	57.623	58	44.51	58
Feb. 9.5	10.943	12	23.16	25	14.225	1	28.78	11	27.537	37	20.10	266	57.681	2	45.09	74
19.4	10.931	61	23.41	38	14.224	48	28.89	26	27.500	87	22.76	236	57.683	52	45.83	85
März 1.4	10.870	103	23.79	47	14.176	91	29.15	38	27.413	129	25.12	202	57.631	98	46.68	89
11.4	10.767	135	24.26	51	14.085	125	29.53	46	27.284	163	27.14	163	57.533	135	47.57	89
21.4	10.632	158	24.77	53	13.960	149	29.99	49	27.121	188	28.77	125	57.398	162	48.46	84
31.3	10.474	172	25.30	51	13.811	164	30.48	50	26.933	204	30.02	84	57.236	180	49.30	74
Apr. 10.3	10.302	175	25.81	46	13.647	170	30.98	48	26.729	210	30.86	42	57.056	186	50.04	62
20.3	10.127	168	26.27	40	13.477	165	31.46	44	26.519	208	31.28	2	56.870	182	50.66	47
30.3	9.959	155	26.67	33	13.312	153	31.90	38	26.311	199	31.30	40	56.688	169	51.13	31
Mai 10.2	9.804	133	27.00	24	13.159	135	32.28	33	26.112	181	30.90	78	56.519	151	51.44	15
20.2	9.671	108	27.24	17	13.024	111	32.61	26	25.931	160	30.12	116	56.368	125	51.59	2
30.2	9.563	79	27.41	10	12.913	84	32.87	20	25.771	134	28.96	149	56.243	95	51.57	17
Juni 9.1	9.484	46	27.51	2	12.829	54	33.07	13	25.637	105	27.47	180	56.148	63	51.40	32
19.1	9.438	14	27.53	6	12.775	24	33.20	6	25.532	72	25.67	205	56.085	29	51.08	45
29.1	9.424	19	27.47	12	12.751	8	33.26	1	25.460	38	23.62	224	56.056	5	50.63	57
Juli 9.1	9.443	52	27.35	20	12.759	40	33.25	9	25.422	3	21.38	238	56.061	40	50.06	69
19.0	9.495	83	27.15	28	12.799	70	33.16	17	25.419	33	19.00	243	56.101	74	49.37	79
29.0	9.578	114	26.87	37	12.869	100	32.99	27	25.452	70	16.57	241	56.175	106	48.58	90
Aug. 8.0	9.692	143	26.50	47	12.969	129	32.72	38	25.522	107	14.16	231	56.281	138	47.68	99
18.0	9.835	172	26.03	57	13.098	158	32.34	51	25.629	143	11.85	211	56.419	169	46.69	108
27.9	10.007	199	25.46	69	13.256	185	31.83	63	25.772	180	9.74	184	56.588	198	45.61	117
Sept. 6.9	10.206	224	24.77	82	13.441	212	31.20	77	25.952	214	7.90	148	56.786	228	44.44	125
16.9	10.430	250	23.95	94	13.653	237	30.43	93	26.166	246	6.42	105	57.014	255	43.19	131
26.8	10.680	272	23.01	106	13.890	261	29.50	106	26.412	275	5.37	57	57.269	281	41.88	137
Okt. 6.8	10.952	291	21.95	116	14.151	283	28.44	119	26.687	301	4.80	4	57.550	304	40.51	140
16.8	11.243	309	20.79	124	14.434	302	27.25	130	26.988	321	4.76	50	57.854	323	39.11	140
26.8	11.552	321	19.55	129	14.736	315	25.95	137	27.309	333	5.26	105	58.177	339	37.71	135
Nov. 5.7	11.873	326	18.26	129	15.051	323	24.58	140	27.642	338	6.31	158	58.516	348	36.36	128
15.7	12.199	324	16.97	125	15.374	323	23.18	139	27.980	332	7.89	205	58.864	347	35.08	114
25.7	12.523	313	15.72	117	15.697	315	21.79	132	28.312	317	9.94	246	59.211	338	33.94	98
Dez. 5.7	12.836	293	14.55	103	16.012	296	20.47	120	28.629	292	12.40	278	59.549	320	32.96	76
15.6	13.129	264	13.52	86	16.308	269	19.27	104	28.921	258	15.18	302	59.869	291	32.20	52
25.6	13.393	225	12.66	66	16.577	233	18.23	85	29.179	212	18.20	316	60.160	252	31.68	26
35.6	13.618		12.00		16.810		17.38		29.391		21.36		60.412		31.42	
Mittl. Ort	8.601		37.79		11.902		43.98		25.026		3.24		55.248		59.40	
sec δ, tg δ	1.069		+0.378		1.054		+0.334		1.191		−0.647		1.144		+0.556	

Mittlere Zeit Greenw.	330) δ Argus AR.		330) δ Argus Dekl.		334) ζ Hydrae AR.		334) ζ Hydrae Dekl.	
1921	8h 42m		−54° 25′		8h 51m		+6° 14′	
Jan. 0.6	34.178	208	8.40	369	14.903	204	37.89	147
10.6	34.386	134	12.09	375	15.107	159	36.42	128
20.5	34.520	56	15.84	373	15.266	109	35.14	107
30.5	34.576	20	19.57	358	15.375	58	34.07	85
Feb. 9.5	34.556	92	23.15	337	15.433	7	33.22	62
19.5	34.464	158	26.52	307	15.440	39	32.60	42
März 1.4	34.306	215	29.59	271	15.401	79	32.18	22
11.4	34.091	262	32.30	231	15.322	112	31.96	5
21.4	33.829	297	34.61	184	15.210	137	31.91	9
31.3	33.532	321	36.45	138	15.073	152	32.00	22
Apr. 10.3	33.211	333	37.83	87	14.921	157	32.22	32
20.3	32.878	334	38.70	36	14.764	156	32.54	40
30.3	32.544	325	39.06	15	14.608	147	32.94	47
Mai 10.2	32.219	308	38.91	65	14.461	131	33.41	53
20.2	31.911	281	38.26	113	14.330	110	33.94	57
30.2	31.630	249	37.13	158	14.220	87	34.51	60
Juni 9.2	31.381	209	35.55	199	14.133	60	35.11	63
19.1	31.172	165	33.56	235	14.073	33	35.74	63
29.1	31.007	116	31.21	264	14.040	4	36.37	62
Juli 9.1	30.891	63	28.57	285	14.036	25	36.99	58
19.0	30.828	9	25.72	298	14.061	53	37.57	52
29.0	30.819	49	22.74	302	14.114	82	38.09	44
Aug. 8.0	30.868	107	19.72	295	14.196	109	38.53	31
18.0	30.975	164	16.77	279	14.305	138	38.84	16
27.9	31.139	221	13.98	251	14.443	164	39.00	2
Sept. 6.9	31.360	276	11.47	214	14.607	192	38.98	23
16.9	31.636	325	9.33	168	14.799	218	38.75	47
26.9	31.961	369	7.65	114	15.017	242	38.28	70
Okt. 6.8	32.330	404	6.51	55	15.259	265	37.58	95
16.8	32.734	430	5.96	9	15.524	285	36.63	117
26.8	33.164	444	6.05	74	15.809	300	35.46	138
Nov. 5.7	33.608	445	6.79	137	16.109	309	34.08	155
15.7	34.053	433	8.16	197	16.418	310	32.53	165
25.7	34.486	406	10.13	250	16.728	304	30.88	172
Dez. 5.7	34.892	366	12.63	296	17.032	287	29.16	172
15.6	35.258	312	15.59	331	17.319	262	27.44	165
25.6	35.570	250	18.90	356	17.581	228	25.79	154
35.6	35.820		22.46		17.809		24.25	
Mittl. Ort	31.345		7.30		13.166		49.34	
sec δ, tg δ	1.719		−1.398		1.006		+0.109	

Mittlere Zeit Greenw.	336) c Carinae AR.		336) c Carinae Dekl.		335) ι Ursae maj. AR.		335) ι Ursae maj. Dekl.	
1921	8h 53m		−60° 20′		8h 53m		+48° 20′	
Jan. 0.6	18.75	24	31.55	370	50.533	291	51.76	88
10.6	18.99	16	35.25	382	50.824	226	52.64	121
20.5	19.15	7	39.07	382	51.050	156	53.85	148
30.5	19.22	2	42.89	372	51.206	81	55.33	167
Feb. 9.5	19.20	10	46.61	354	51.287	7	57.00	179
19.5	19.10	18	50.15	327	51.294	62	58.79	183
März 1.4	18.92	24	53.42	293	51.232	124	60.62	177
11.4	18.68	30	56.35	254	51.108	176	62.39	164
21.4	18.38	35	58.89	209	50.932	216	64.03	143
31.3	18.03	38	60.98	162	50.716	242	65.46	118
Apr. 10.3	17.65	39	62.60	112	50.474	255	66.64	87
20.3	17.26	40	63.72	59	50.219	255	67.51	54
30.3	16.86	40	64.31	8	49.964	244	68.05	19
Mai 10.2	16.46	37	64.39	46	49.720	223	68.24	15
20.2	16.09	36	63.93	95	49.497	192	68.09	49
30.2	15.73	32	62.98	144	49.305	157	67.60	79
Juni 9.2	15.41	27	61.54	188	49.148	116	66.81	108
19.1	15.14	23	59.66	227	49.032	72	65.73	133
29.1	14.91	17	57.39	260	48.960	28	64.40	155
Juli 9.1	14.74	11	54.79	284	48.932	19	62.85	173
19.0	14.63	5	51.95	302	48.951	65	61.12	188
29.0	14.58	2	48.93	310	49.016	109	59.24	199
Aug. 8.0	14.60	9	45.83	306	49.125	152	57.25	207
18.0	14.69	16	42.77	293	49.277	195	55.18	212
27.9	14.85	23	39.84	269	49.472	235	53.06	212
Sept. 6.9	15.08	30	37.15	235	49.707	275	50.94	211
16.9	15.38	36	34.80	190	49.982	312	48.83	204
26.9	15.74	41	32.90	138	50.294	347	46.79	195
Okt. 6.8	16.15	46	31.52	78	50.641	377	44.84	180
16.8	16.61	49	30.74	15	51.018	404	43.04	162
26.8	17.10	50	30.59	51	51.422	425	41.42	140
Nov. 5.7	17.60	52	31.10	116	51.847	436	40.02	111
15.7	18.12	50	32.26	180	52.283	438	38.91	80
25.7	18.62	47	34.06	235	52.721	430	38.11	45
Dez. 5.7	19.09	42	36.41	285	53.151	407	37.66	7
15.6	19.51	36	39.26	325	53.558	373	37.59	31
25.6	19.87	29	42.51	355	53.931	325	37.90	68
35.6	20.16		46.06		54.256		38.58	
Mittl. Ort	15.52		31.99		48.433		70.04	
sec δ, tg δ	2.021		−1.756		1.505		+1.125	

Mittlere Zeit Greenw.	337) α Cancri				339) 10 Ursae maj.				341) κ Ursae maj.				343) α Volantis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	$8^h\ 54^m$		+12° 9′		$8^h\ 55^m$		+42° 5′		$8^h\ 58^m$		+47° 27′		$9^h\ 1^m$		−66° 4′	
Jan. 0.6	$11^s.856$		39″.17		$33^s.079$		29″.67		$16^s.455$		53″.39		$15^s.99$		48″.42	
10.6	12.069	213	38.02	115	33.348	269	30.21	54	16.748	293	54.21	82	16.28	29	52.10	368
20.5	12.235	166	37.08	94	33.559	211	31.05	84	16.978	230	55.35	114	16.47	19	55.93	383
30.5	12.351	116	36.37	71	33.706	147	32.17	112	17.139	161	56.77	142	16.55	8	59.81	388
Feb. 9.5	12.415	64	35.88	49	33.786	80	33.50	133	17.227	88	58.39	162	16.53	2	63.64	383
19.5	12.428	13	35.61	27	33.799	13	34.97	147	17.242	15	60.15	176	16.41	12	67.30	366
März 1.4	12.393	35	35.53	8	33.749	50	36.51	154	17.189	53	61.95	180	16.20	21	70.72	342
11.4	12.316	77	35.62	9	33.643	106	38.04	153	17.074	115	63.72	177	15.90	30	73.83	311
21.4	12.205	111	35.83	21	33.491	152	39.48	144	16.907	167	65.37	165	15.54	36	76.56	273
31.3	12.068	137	36.15	32	33.303	188	40.77	129	16.701	206	66.82	145	15.12	42	78.86	230
Apr. 10.3	11.916	152	36.53	38	33.091	212	41.86	109	16.467	234	68.03	121	14.66	46	80.70	184
20.3	11.757	159	36.96	43	32.868	223	42.69	83	16.220	247	68.94	91	14.17	49	82.03	133
30.3	11.599	158	37.42	46	32.646	222	43.26	57	15.972	248	69.53	59	13.68	49	82.84	81
Mai 10.2	11.450	149	37.88	46	32.433	213	43.54	28	15.733	239	69.78	25	13.18	50	83.12	28
20.2	11.317	133	38.34	46	32.241	192	43.52	2	15.515	218	69.69	9	12.70	48	82.85	27
30.2	11.205	112	38.79	45	32.074	167	43.22	30	15.326	189	69.27	42	12.24	46	82.07	78
Juni 9.2	11.117	88	39.22	43	31.940	134	42.65	57	15.170	156	68.55	72	11.82	42	80.79	128
19.1	11.055	62	39.62	40	31.842	98	41.84	81	15.054	116	67.54	101	11.45	37	79.03	176
29.1	11.021	34	39.98	36	31.783	59	40.80	104	14.980	74	66.27	127	11.14	31	76.86	217
Juli 9.1	11.017	4	40.29	31	31.763	20	39.56	124	14.950	30	64.79	148	10.89	25	74.33	253
19.0	11.041	24	40.55	26	31.784	21	38.16	140	14.965	15	63.11	168	10.71	18	71.52	281
29.0	11.095	54	40.73	18	31.845	61	36.61	155	15.024	59	61.28	183	10.62	9	68.50	302
Aug. 8.0	11.177	82	40.80	7	31.945	100	34.94	167	15.126	102	59.33	195	10.61	1	65.38	312
18.0	11.288	111	40.76	4	32.084	139	33.18	176	15.272	146	57.29	204	10.68	7	62.25	313
27.9	11.426	138	40.58	18	32.260	176	31.36	182	15.459	187	55.20	209	10.84	16	59.22	303
Sept. 6.9	11.593	167	40.23	35	32.472	212	29.49	187	15.686	227	53.09	211	11.10	26	56.41	281
16.9	11.787	194	39.71	52	32.720	248	27.61	188	15.952	266	50.99	210	11.43	33	53.91	250
26.9	12.007	220	38.99	72	33.001	281	25.74	187	16.255	303	48.93	206	11.84	41	51.84	207
Okt. 6.8	12.252	245	38.07	92	33.314	313	23.92	182	16.593	338	46.97	196	12.32	48	50.27	157
16.8	12.521	269	36.97	110	33.655	341	22.18	174	16.963	370	45.13	184	12.86	54	49.28	99
26.8	12.810	289	35.69	128	34.021	366	20.57	161	17.359	396	43.47	166	13.44	58	48.93	35
Nov. 5.7	13.115	305	34.27	142	34.407	386	19.13	144	17.777	418	42.02	145	14.04	60	49.25	32
15.7	13.429	314	32.75	152	34.804	397	17.90	123	18.208	431	40.85	117	14.65	61	50.23	98
25.7	13.746	317	31.17	158	35.205	401	16.93	97	18.642	434	39.98	87	15.25	60	51.85	162
Dez. 5.7	14.057	311	29.60	157	35.597	392	16.26	67	19.068	426	39.45	53	15.81	56	54.07	222
15.6	14.352	295	28.09	151	35.971	374	15.91	35	19.474	406	39.30	15	16.31	50	56.81	274
25.6	14.623	271	26.69	140	36.313	342	15.91	0	19.846	372	39.53	23	16.75	44	59.99	318
35.6	14.859	236	25.44	125	36.613	300	16.26	35	20.172	326	40.14	61	17.09	34	63.49	350
Mittl. Ort	10.131		51.76		31.126		47.25		14.411		71.76		12.19		50.12	
sec δ, tg δ	1.023		+0.216		1.348		+0.904		1.479		+1.090		2.466		−2.255	

Mittlere Zeit Greenw.	344) σ² Ursae maj. AR.		Dekl.		345) λ Argus AR.		Dekl.		347) ϑ Hydrae AR.		Dekl.		348) β Argus AR.		Dekl.	
1921	$9^h 3^m$		+67° 26′		$9^h 5^m$		−43° 6′		$9^h 10^m$		+2° 38′		$9^h 12^m$		−69° 23′	
Jan. 0.6	30.78	47	63.39	172	7.603	222	48.24	344	17.011	218	43.32	172	24.61	35	26.94	361
10.6	31.25	36	65.11	209	7.825	163	51.68	351	17.229	174	41.60	155	24.96	23	30.55	380
20.6	31.61	25	67.20	238	7.988	101	55.19	348	17.403	126	40.05	134	25.19	12	34.35	389
30.5	31.86	12	69.58	256	8.089	37	58.67	335	17.529	76	38.71	111	25.31	1	38.24	386
Feb. 9.5	31.98	0	72.14	264	8.126	24	62.02	315	17.605	25	37.60	88	25.30	11	42.10	374
19.5	31.98	11	74.78	260	8.102	80	65.17	288	17.630	21	36.72	65	25.19	23	45.84	353
März 1.4	31.87	22	77.38	245	8.022	130	68.05	254	17.609	63	36.07	43	24.96	32	49.37	324
11.4	31.65	32	79.83	222	7.892	171	70.59	218	17.546	98	35.64	23	24.64	40	52.61	290
21.4	31.33	38	82.05	188	7.721	203	72.77	176	17.448	123	35.41	5	24.24	47	55.51	248
31.4	30.95	45	83.93	149	7.518	226	74.53	133	17.325	141	35.36	10	23.77	52	57.99	203
Apr. 10.3	30.50	47	85.42	103	7.292	239	75.86	88	17.184	151	35.46	25	23.25	55	60.02	153
20.3	30.03	48	86.45	55	7.053	243	76.74	42	17.033	151	35.71	36	22.70	57	61.55	102
30.3	29.55	47	87.00	6	6.810	238	77.16	4	16.882	145	36.07	46	22.13	58	62.57	48
Mai 10.3	29.08	44	87.06	43	6.572	226	77.12	49	16.737	132	36.53	55	21.55	57	63.05	6
20.2	28.64	40	86.63	89	6.346	208	76.63	93	16.605	116	37.08	62	20.98	54	62.99	59
30.2	28.24	35	85.74	132	6.138	185	75.70	135	16.489	95	37.70	68	20.44	51	62.40	111
Juni 9.2	27.89	27	84.42	172	5.953	156	74.35	172	16.394	71	38.38	73	19.93	46	61.29	159
19.1	27.62	20	82.70	206	5.797	124	72.63	205	16.323	47	39.11	74	19.47	39	59.70	203
29.1	27.42	13	80.64	235	5.673	89	70.58	232	16.276	20	39.85	76	19.08	33	57.67	243
Juli 9.1	27.29	4	78.29	258	5.584	50	68.26	253	16.256	8	40.61	73	18.75	25	55.24	273
19.1	27.25	4	75.71	275	5.534	11	65.73	266	16.264	34	41.34	68	18.50	14	52.51	297
29.0	27.29	12	72.96	286	5.523	33	63.07	270	16.298	62	42.02	59	18.36	6	49.54	312
Aug. 8.0	27.41	21	70.10	293	5.556	76	60.37	266	16.360	90	42.61	48	18.30	5	46.42	315
18.0	27.62	28	67.17	292	5.632	121	57.71	252	16.450	118	43.09	32	18.35	15	43.27	310
27.9	27.90	36	64.25	286	5.753	165	55.19	227	16.568	146	43.41	12	18.50	25	40.17	291
Sept. 6.9	28.26	42	61.39	275	5.918	209	52.92	195	16.714	174	43.53	9	18.75	35	37.26	262
16.9	28.68	50	58.64	258	6.127	251	50.97	153	16.888	203	43.44	35	19.10	44	34.64	223
26.9	29.18	55	56.06	236	6.378	289	49.44	105	17.091	229	43.09	61	19.54	53	32.41	175
Okt. 6.8	29.73	61	53.70	207	6.667	323	48.39	49	17.320	255	42.48	89	20.07	60	30.66	118
16.8	30.34	65	51.63	175	6.990	350	47.90	9	17.575	278	41.59	115	20.67	65	29.48	56
26.8	30.99	69	49.88	136	7.340	369	47.99	69	17.853	295	40.44	139	21.32	68	28.92	10
Nov. 5.8	31.68	70	48.52	93	7.709	378	48.68	128	18.148	307	39.05	160	22.00	69	29.02	78
15.7	32.38	71	47.59	46	8.087	377	49.96	184	18.455	312	37.45	176	22.69	68	29.80	143
25.7	33.09	69	47.13	3	8.464	362	51.80	233	18.767	308	35.69	186	23.37	64	31.23	204
Dez. 5.7	33.78	66	47.16	53	8.826	337	54.13	276	19.075	295	33.83	189	24.01	59	33.27	258
15.6	34.44	60	47.69	103	9.163	300	56.89	309	19.370	272	31.94	187	24.60	50	35.85	305
25.6	35.04	52	48.72	148	9.463	253	59.98	332	19.642	241	30.07	178	25.10	41	38.90	342
35.6	35.56		50.20		9.716		63.30		19.883		28.29		25.51		42.32	
Mittl. Ort	27.82		83.81		5.297		46.95		15.337		53.89		20.36		29.88	
sec δ, tg δ	2.608		+2.409		1.370		−0.936		1.001		+0.046		2.841		−2.659	

Mittlere Zeit Greenw.	350) 83 Cancri				352) 40 Lyncis				353) κ Argus				354) α Hydrae			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	$9^h\ 14^m$		+18° 1′		$9^h\ 16^m$		+34° 43′		$9^h\ 19^m$		−54° 40′		$9^h\ 23^m$		−8° 18′	
Jan. 0.6	36.155	236	73.85	91	16.571	268	21.69	0	42.708	269	20.57	355	44.036	224	63.57	225
10.6	36.391	191	72.94	66	16.839	218	21.69	32	42.977	199	24.12	371	44.260	180	65.82	215
20.6	36.582	140	72.28	40	17.057	161	22.01	62	43.176	124	27.83	375	44.440	133	67.97	199
30.5	36.722	88	71.88	16	17.218	100	22.63	87	43.300	47	31.58	368	44.573	83	69.96	178
Feb. 9.5	36.810	34	71.72	7	17.318	39	23.50	106	43.347	26	35.26	354	44.656	34	71.74	154
19.5	36.844	15	71.79	26	17.357	18	24.56	122	43.321	96	38.80	330	44.690	14	73.28	130
März 1.5	36.829	60	72.05	41	17.339	71	25.78	128	43.225	158	42.10	301	44.676	55	74.58	103
11.4	36.769	98	72.46	51	17.268	115	27.06	127	43.067	210	45.11	264	44.621	90	75.61	78
21.4	36.671	127	72.97	59	17.153	150	28.33	121	42.857	253	47.75	224	44.531	118	76.39	53
31.4	36.544	147	73.56	61	17.003	175	29.54	109	42.604	285	49.99	179	44.413	137	76.92	28
Apr. 10.3	36.397	157	74.17	61	16.828	188	30.63	92	42.319	305	51.78	132	44.276	147	77.20	6
20.3	36.240	159	74.78	57	16.640	192	31.55	73	42.014	316	53.10	82	44.129	151	77.26	17
30.3	36.081	153	75.35	52	16.448	185	32.28	51	41.698	318	53.92	31	43.978	148	77.09	36
Mai 10.3	35.928	141	75.87	45	16.263	173	32.79	27	41.380	309	54.23	19	43.830	138	76.73	56
20.2	35.787	123	76.32	37	16.090	152	33.06	4	41.071	293	54.04	68	43.692	123	76.17	73
30.2	35.664	101	76.69	28	15.938	126	33.10	19	40.778	269	53.36	116	43.569	106	75.44	89
Juni 9.2	35.563	76	76.97	21	15.812	97	32.91	41	40.509	238	52.20	160	43.463	84	74.55	101
19.2	35.487	50	77.18	11	15.715	66	32.50	62	40.271	203	50.60	201	43.379	61	73.54	113
29.1	35.437	21	77.29	2	15.649	33	31.88	80	40.068	160	48.59	234	43.318	37	72.41	120
Juli 9.1	35.416	7	77.31	8	15.616	2	31.08	98	39.908	114	46.25	263	43.281	11	71.21	124
19.1	35.423	36	77.23	20	15.618	36	30.10	114	39.794	63	43.62	282	43.270	16	69.97	123
29.0	35.459	65	77.03	31	15.654	70	28.96	128	39.731	8	40.80	293	43.286	44	68.74	119
Aug. 8.0	35.524	93	76.72	44	15.724	103	27.68	141	39.723	49	37.87	295	43.330	72	67.55	108
18.0	35.617	123	76.28	57	15.827	138	26.27	152	39.772	108	34.92	286	43.402	100	66.47	93
28.0	35.740	152	75.71	73	15.965	171	24.75	161	39.880	168	32.06	266	43.502	131	65.54	72
Sept. 6.9	35.892	181	74.98	89	16.136	205	23.14	170	40.048	227	29.40	237	43.633	160	64.82	47
16.9	36.073	209	74.09	105	16.341	237	21.44	175	40.275	283	27.03	197	43.793	191	64.35	17
26.9	36.282	239	73.04	120	16.578	269	19.69	178	40.558	335	25.06	149	43.984	220	64.18	16
Okt. 6.9	36.521	264	71.84	135	16.847	299	17.91	177	40.893	381	23.57	93	44.204	248	64.34	52
16.8	36.785	288	70.49	147	17.146	325	16.14	173	41.274	417	22.64	33	44.452	272	64.86	87
26.8	37.073	308	69.02	155	17.471	347	14.41	165	41.691	443	22.31	31	44.724	292	65.73	123
Nov. 5.8	37.381	321	67.47	159	17.818	363	12.76	151	42.134	456	22.62	95	45.016	306	66.96	154
15.7	37.702	328	65.88	159	18.181	370	11.25	133	42.590	455	23.57	157	45.322	312	68.50	182
25.7	38.030	325	64.29	153	18.551	368	9.92	110	43.045	439	25.14	214	45.634	310	70.32	203
Dez. 5.7	38.355	313	62.76	140	18.919	354	8.82	81	43.484	408	27.28	264	45.944	299	72.35	219
15.7	38.668	291	61.36	124	19.273	330	8.01	51	43.892	364	29.92	307	46.243	276	74.54	227
25.6	38.959	259	60.12	103	19.603	295	7.50	18	44.256	307	32.99	338	46.519	246	76.81	226
35.6	39.218		59.09		19.898		7.32		44.563		36.37		46.765		79.07	
Mittl. Ort	34.510		87.71		14.850		38.76		39.951		22.17		42.354		55.77	
sec δ, tg δ	1.052		+0.326		1.217		+0.693		1.729		−1.411		1.011		−0.146	

Mittlere Zeit Greenw.	355) *h* Ursae maj.				357) *d* Ursae maj.				358) ϑ Ursae maj.				359) ψ Argus			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	$9^h 25^m$		+63° 23′		$9^h 27^m$		+70° 10′		$9^h 27^m$		+52° 1′		$9^h 27^m$		−40° 7′	
	s		″		s		″		s		″		s		″	
Jan. 0.6	21.48	45	68.83	135	34.34	56	21.74	162	36.915	346	57.55	79	37.359	245	13.35	331
10.6	21.93	36	70.18	177	34.90	46	23.36	204	37.261	284	58.34	119	37.604	190	16.66	339
20.6	22.29	26	71.95	211	35.36	33	25.40	237	37.545	211	59.53	153	37.794	132	20.05	339
30.5	22.55	16	74.06	235	35.69	20	27.77	262	37.756	134	61.06	180	37.926	71	23.44	329
Feb. 9.5	22.71	6	76.41	250	35.89	6	30.39	275	37.890	55	62.86	198	37.997	12	26.73	312
19.5	22.77	4	78.91	254	35.95	7	33.14	276	37.945	22	64.84	207	38.009	43	29.85	287
März 1.5	22.73	15	81.45	246	35.88	20	35.90	267	37.923	92	66.91	206	37.966	93	32.72	256
11.4	22.58	22	83.91	230	35.68	31	38.57	246	37.831	153	68.97	197	37.873	136	35.28	223
21.4	22.36	30	86.21	203	35.37	40	41.03	216	37.678	204	70.94	179	37.737	169	37.51	184
31.4	22.06	35	88.24	169	34.97	47	43.19	177	37.474	240	72.73	153	37.568	194	39.35	144
Apr. 10.3	21.71	38	89.93	129	34.50	52	44.96	133	37.234	264	74.26	123	37.374	210	40.79	101
20.3	21.33	39	91.22	84	33.98	54	46.29	84	36.970	274	75.49	87	37.164	218	41.80	57
30.3	20.94	40	92.06	39	33.44	55	47.13	33	36.696	272	76.36	50	36.946	218	42.37	14
Mai 10.3	20.54	38	92.45	9	32.89	52	47.46	18	36.424	258	76.86	11	36.728	210	42.51	30
20.2	20.16	34	92.36	55	32.37	49	47.28	68	36.166	235	76.97	27	36.518	197	42.21	72
30.2	19.82	31	91.81	98	31.88	44	46.60	115	35.931	204	76.70	65	36.321	179	41.49	113
Juni 9.2	19.51	25	90.83	139	31.44	36	45.45	159	35.727	168	76.05	99	36.142	155	40.36	149
19.2	19.26	20	89.44	175	31.08	30	43.86	198	35.559	127	75.06	131	35.987	129	38.87	183
29.1	19.06	13	87.69	207	30.78	21	41.88	231	35.432	83	73.75	159	35.858	98	37.04	211
Juli 9.1	18.93	7	85.62	234	30.57	13	39.57	259	35.349	36	72.16	184	35.760	65	34.93	233
19.1	18.86	1	83.28	256	30.44	3	36.98	282	35.313	10	70.32	206	35.695	29	32.60	248
29.0	18.85	7	80.72	271	30.41	6	34.16	298	35.323	57	68.26	222	35.666	10	30.12	255
Aug. 8.0	18.92	13	78.01	283	30.47	15	31.18	307	35.380	104	66.04	235	35.676	50	27.57	253
18.0	19.05	20	75.18	288	30.62	24	28.11	312	35.484	151	63.69	243	35.726	92	25.04	243
28.0	19.25	27	72.30	288	30.86	33	24.99	309	35.635	198	61.26	249	35.818	135	22.61	222
Sept. 6.9	19.52	33	69.42	282	31.19	41	21.90	301	35.833	243	58.77	249	35.953	178	20.39	194
16.9	19.85	38	66.60	271	31.60	49	18.89	286	36.076	288	56.28	245	36.131	220	18.45	155
26.9	20.23	45	63.89	255	32.09	57	16.03	266	36.364	330	53.83	236	36.351	261	16.90	111
Okt. 6.9	20.68	50	61.34	231	32.66	64	13.37	238	36.694	370	51.47	222	36.612	297	15.79	59
16.8	21.18	54	59.03	204	33.30	69	10.99	207	37.064	406	49.25	203	36.909	328	15.20	3
26.8	21.72	58	56.99	170	33.99	74	8.92	167	37.470	435	47.22	179	37.237	351	15.17	55
Nov. 5.8	22.30	61	55.29	130	34.73	78	7.25	123	37.905	456	45.43	149	37.588	366	15.72	111
15.7	22.91	61	53.99	86	35.51	78	6.02	75	38.361	467	43.94	114	37.954	371	16.83	167
25.7	23.52	62	53.13	39	36.29	78	5.27	23	38.828	467	42.80	75	38.325	363	18.50	216
Dez. 5.7	24.14	59	52.74	11	37.07	75	5.04	30	39.295	452	42.05	33	38.688	344	20.66	258
15.7	24.73	55	52.85	62	37.82	70	5.34	84	39.747	422	41.72	12	39.032	313	23.24	294
25.6	25.28	49	53.47	109	38.52	63	6.18	134	40.169	380	41.84	55	39.345	272	26.18	317
35.6	25.77		54.56		39.15		7.52		40.549		42.39		39.617		29.35	
Mittl. Ort	19.13		89.99		31.51		43.49		35.016		77.58		35.205		12.89	
sec δ, tg δ	2.234		+1.998		2.949		+2.774		1.626		+1.282		1.308		−0.843	

Mittlere Zeit Greenw.	360) 10 Leonis min. AR.		Dekl.		366) ϑ Antliae AR.		Dekl.	
1921	$9^h 29^m$		+36° 44′		$9^h 40^m$		−27° 24′	
	s		″		s		″	
Jan. 0.6	25.035	286	39.10	2	42.585	243	28.54	295
10.6	25.321	236	39.12	37	42.828	198	31.49	297
20.6	25.557	180	39.49	69	43.026	146	34.46	293
30.5	25.737	118	40.18	96	43.172	94	37.39	279
Feb. 9.5	25.855	56	41.14	118	43.266	41	40.18	260
19.5	25.911	4	42.32	133	43.307	10	42.78	236
März 1.5	25.907	58	43.65	141	43.297	55	45.14	207
11.4	25.849	106	45.06	142	43.242	94	47.21	176
21.4	25.743	143	46.48	135	43.148	125	48.97	142
31.4	25.600	171	47.83	123	43.023	148	50.39	108
Apr. 10.4	25.429	187	49.06	105	42.875	163	51.47	72
20.3	25.242	194	50.11	84	42.712	171	52.19	37
30.3	25.048	191	50.95	60	42.541	171	52.56	0
Mai 10.3	24.857	179	51.55	34	42.370	165	52.56	34
20.2	24.678	162	51.89	9	42.205	155	52.22	67
30.2	24.516	138	51.98	17	42.050	140	51.55	100
Juni 9.2	24.378	110	51.81	41	41.910	121	50.55	127
19.2	24.268	80	51.40	65	41.789	99	49.28	154
29.1	24.188	47	50.75	87	41.690	74	47.74	175
Juli 9.1	24.141	14	49.88	106	41.616	47	45.99	190
19.1	24.127	21	48.82	125	41.569	19	44.09	201
29.1	24.148	55	47.57	140	41.550	12	42.08	205
Aug. 8.0	24.203	89	46.17	155	41.562	45	40.03	201
18.0	24.292	125	44.62	167	41.607	79	38.02	189
28.0	24.417	159	42.95	178	41.686	115	36.13	170
Sept. 6.9	24.576	196	41.17	186	41.801	151	34.43	143
16.9	24.772	229	39.31	191	41.952	188	33.00	109
26.9	25.001	263	37.40	193	42.140	223	31.91	69
Okt. 6.9	25.264	296	35.47	193	42.363	257	31.22	23
16.8	25.560	325	33.54	188	42.620	286	30.99	25
26.8	25.885	349	31.66	177	42.906	311	31.24	75
Nov. 5.8	26.234	368	29.89	162	43.217	327	31.99	123
15.8	26.602	379	28.27	142	43.544	336	33.22	169
25.7	26.981	378	26.85	116	43.880	335	34.91	210
Dez. 5.7	27.359	368	25.69	87	44.215	322	37.01	243
15.7	27.727	346	24.82	53	44.537	299	39.44	270
25.6	28.073	312	24.29	18	44.836	266	42.14	286
35.6	28.385		24.11		45.102		45.00	
Mittl. Ort	23.383		56.82		40.745		25.98	
sec δ, tg δ	1.248		+0.747		1.126		−0.518	

Mittlere Zeit Greenw.	367) ε Leonis AR.		Dekl.		369) υ Argus AR.		Dekl.	
1921	$9^h 41^m$		+24° 7′		$9^h 45^m$		−64° 42′	
	s		″		s		″	
Jan. 0.6	23.760	267	63.88	71	11.13	37	13.78	344
10.6	24.027	223	63.17	41	11.50	29	17.22	369
20.6	24.250	173	62.76	12	11.79	19	20.91	383
30.5	24.423	120	62.64	17	11.98	10	24.74	385
Feb. 9.5	24.543	65	62.81	42	12.08	0	28.59	380
19.5	24.608	12	63.23	62	12.08	9	32.39	363
März 1.5	24.620	37	63.85	78	11.99	18	36.02	340
11.4	24.583	78	64.63	88	11.81	24	39.42	310
21.4	24.505	112	65.51	92	11.57	32	42.52	272
31.4	24.393	137	66.43	91	11.25	36	45.24	231
Apr. 10.4	24.256	153	67.34	87	10.89	40	47.55	185
20.3	24.103	159	68.21	78	10.49	42	49.40	135
30.3	23.944	159	68.99	66	10.07	44	50.75	84
Mai 10.3	23.785	151	69.65	52	9.63	44	51.59	31
20.2	23.634	136	70.17	38	9.19	44	51.90	22
30.2	23.498	118	70.55	23	8.75	40	51.68	74
Juni 9.2	23.380	96	70.78	7	8.35	38	50.94	124
19.2	23.284	72	70.85	8	7.97	34	49.70	170
29.1	23.212	45	70.77	24	7.63	30	48.00	213
Juli 9.1	23.167	18	70.53	38	7.33	23	45.87	248
19.1	23.149	10	70.15	55	7.10	17	43.39	276
29.1	23.159	39	69.60	69	6.93	9	40.63	296
Aug. 8.0	23.198	69	68.91	85	6.84	2	37.67	306
18.0	23.267	99	68.06	99	6.82	7	34.61	306
28.0	23.366	130	67.07	115	6.89	15	31.55	294
Sept. 6.9	23.496	161	65.92	129	7.04	24	28.61	272
16.9	23.657	194	64.63	143	7.28	31	25.89	239
26.9	23.851	225	63.20	155	7.59	40	23.50	196
Okt. 6.9	24.076	256	61.65	166	7.99	47	21.54	144
16.8	24.332	285	59.99	173	8.46	52	20.10	86
26.8	24.617	308	58.26	176	8.98	56	19.24	21
Nov. 5.8	24.925	328	56.50	175	9.54	59	19.03	44
15.8	25.253	340	54.75	168	10.13	59	19.47	110
25.7	25.593	342	53.07	155	10.72	59	20.57	173
Dez. 5.7	25.935	335	51.52	137	11.31	54	22.30	230
15.7	26.270	317	50.15	114	11.85	49	24.60	280
25.6	26.587	289	49.01	87	12.34	42	27.40	322
35.6	26.876		48.14		12.76		30.62	
Mittl. Ort	22.244		79.21		7.68		18.72	
sec δ, tg δ	1.096		+0.448		2.340		−2.116	

Mittlere Zeit Greenw.	368) υ Ursae maj. AR.	Diff.	368) υ Ursae maj. Dekl.	Diff.
1921	$9^h\ 45^m$		$+59^\circ\ 24'$	
Jan. 0.6	25.105	426	18.72	99
10.6	25.531	357	19.71	143
20.6	25.888	274	21.14	180
30.6	26.162	185	22.94	211
Feb. 9.5	26.347	92	25.05	232
19.5	26.439	0	27.37	242
März 1.5	26.439	87	29.79	242
11.4	26.352	164	32.21	231
21.4	26.188	228	34.52	211
31.4	25.960	279	36.63	183
Apr. 10.4	25.681	314	38.46	149
20.3	25.367	333	39.95	108
30.3	25.034	339	41.03	66
Mai 10.3	24.695	328	41.69	21
20.3	24.367	308	41.90	24
30.2	24.059	277	41.66	67
Juni 9.2	23.782	237	40.99	108
19.2	23.545	193	39.91	146
29.1	23.352	142	38.45	179
Juli 9.1	23.210	88	36.66	209
19.1	23.122	33	34.57	235
29.1	23.089	24	32.22	254
Aug. 8.0	23.113	82	29.68	270
18.0	23.195	139	26.98	279
28.0	23.334	197	24.19	285
Sept. 7.0	23.531	255	21.34	284
16.9	23.786	310	18.50	279
26.9	24.096	365	15.71	268
Okt. 6.9	24.461	415	13.03	250
16.8	24.876	461	10.53	227
26.8	25.337	499	8.26	198
Nov. 5.8	25.836	530	6.28	163
15.8	26.366	546	4.65	122
25.7	26.912	551	3.43	77
Dez. 5.7	27.463	539	2.66	28
15.7	28.002	510	2.38	21
25.6	28.512	464	2.59	71
35.6	28.976		3.30	
Mittl. Ort	23.193		40.24	
sec δ, tg δ	1.965		+1.692	

Mittlere Zeit Greenw.	370) 6 Sextantis AR.	Diff.	370) 6 Sextantis Dekl.	Diff.
1921	$9^h\ 47^m$		$-3^\circ\ 52'$	
Jan. 0.6	16.778	244	29.47	208
10.6	17.022	204	31.55	196
20.6	17.226	158	33.51	178
30.6	17.384	109	35.29	156
Feb. 9.5	17.493	60	36.85	133
19.5	17.553	12	38.18	108
März 1.5	17.565	31	39.26	83
11.4	17.534	67	40.09	58
21.4	17.467	97	40.67	36
31.4	17.370	120	41.03	15
Apr. 10.4	17.250	133	41.18	4
20.3	17.117	140	41.14	22
30.3	16.977	140	40.92	38
Mai 10.3	16.837	135	40.54	52
20.3	16.702	123	40.02	65
30.2	16.579	109	39.37	76
Juni 9.2	16.470	91	38.61	85
19.2	16.379	72	37.76	92
29.1	16.307	49	36.84	96
Juli 9.1	16.258	26	35.88	98
19.1	16.232	2	34.90	95
29.1	16.230	24	33.95	90
Aug. 8.0	16.254	52	33.05	79
18.0	16.306	79	32.26	65
28.0	16.385	109	31.61	45
Sept. 7.0	16.494	140	31.16	23
16.9	16.634	171	30.93	5
26.9	16.805	202	30.98	35
Okt. 6.9	17.007	233	31.33	66
16.8	17.240	260	31.99	98
26.8	17.500	284	32.97	128
Nov. 5.8	17.784	303	34.25	157
15.8	18.087	313	35.82	181
25.7	18.400	315	37.63	198
Dez. 5.7	18.715	308	39.61	209
15.7	19.023	291	41.70	214
25.6	19.314	263	43.84	211
35.6	19.577		45.95	
Mittl. Ort	15.219		21.16	
sec δ, tg δ	1.002		−0.068	

Mittlere Zeit Greenw.	372) Gr. 1586 AR.	Diff.	372) Gr. 1586 Dekl.	Diff.
1921	$9^h\ 51^m$		$+73^\circ\ 14'$	
Jan. 0.6	23.98	69	59.11	148
10.6	24.67	59	60.59	195
20.6	25.26	44	62.54	235
30.6	25.70	30	64.89	264
Feb. 9.5	26.00	14	67.53	282
19.5	26.14	2	70.35	290
März 1.5	26.12	17	73.25	284
11.4	25.95	30	76.09	268
21.4	25.65	42	78.77	240
31.4	25.23	52	81.17	204
Apr. 10.4	24.71	59	83.21	160
20.3	24.12	63	84.81	112
30.3	23.49	65	85.93	60
Mai 10.3	22.84	64	86.53	7
20.3	22.20	61	86.60	46
30.2	21.59	57	86.14	96
Juni 9.2	21.02	49	85.18	145
19.2	20.53	42	83.73	187
29.1	20.11	33	81.86	226
Juli 9.1	19.78	24	79.60	259
19.1	19.54	14	77.01	286
29.1	19.40	2	74.15	306
Aug. 8.0	19.38	8	71.09	321
18.0	19.46	18	67.88	328
28.0	19.64	30	64.60	330
Sept. 7.0	19.94	39	61.30	325
16.9	20.33	50	58.05	312
26.9	20.83	59	54.93	294
Okt. 6.9	21.42	69	51.99	268
16.8	22.11	75	49.31	237
26.8	22.86	82	46.94	198
Nov. 5.8	23.68	88	44.96	153
15.8	24.56	90	43.43	104
25.7	25.46	90	42.39	51
Dez. 5.7	26.36	88	41.88	7
15.7	27.24	84	41.95	62
25.6	28.08	76	42.57	118
35.6	28.84		43.75	
Mittl. Ort	21.31		81.97	
sec δ, tg δ	3.471		+3.324	

Mittlere Zeit Greenw.	378) π Leonis AR.	Diff.	378) π Leonis Dekl.	Diff.
1921	$9^h\ 56^m$		$+8^\circ\ 24'$	
Jan. 0.6	3.888	257	74.39	155
10.6	4.145	218	72.84	134
20.6	4.363	172	71.50	110
30.6	4.535	124	70.40	84
Feb. 9.5	4.659	74	69.56	58
19.5	4.733	25	68.98	34
März 1.5	4.758	20	68.64	12
11.4	4.738	58	68.52	8
21.4	4.680	90	68.60	24
31.4	4.590	114	68.84	36
Apr. 10.4	4.476	129	69.20	45
20.3	4.347	138	69.65	53
30.3	4.209	139	70.18	56
Mai 10.3	4.070	134	70.74	59
20.3	3.936	123	71.33	59
30.2	3.813	110	71.92	58
Juni 9.2	3.703	92	72.50	55
19.2	3.611	73	73.05	52
29.1	3.538	52	73.57	47
Juli 9.1	3.486	28	74.04	40
19.1	3.458	4	74.44	31
29.1	3.454	21	74.75	20
Aug. 8.0	3.475	48	74.95	7
18.0	3.523	75	75.02	9
28.0	3.598	105	74.93	28
Sept. 7.0	3.703	135	74.65	47
16.9	3.838	167	74.18	70
26.9	4.005	198	73.48	92
Okt. 6.9	4.203	229	72.56	115
16.8	4.432	258	71.41	137
26.8	4.690	283	70.04	156
Nov. 5.8	4.973	303	68.48	172
15.8	5.276	317	66.76	183
25.7	5.593	321	64.93	187
Dez. 5.7	5.914	317	63.06	186
15.7	6.231	301	61.20	178
25.6	6.532	276	59.42	164
35.6	6.808		57.78	
Mittl. Ort	2.431		85.80	
sec δ, tg δ	1.011		+0.148	

Mittlere Zeit Greenw.	379) η Leonis AR.		379) η Leonis Dekl.		380) α Leonis AR.		380) α Leonis Dekl.		381) λ Hydrae AR.		381) λ Hydrae Dekl.		382) q Velorum AR.		382) q Velorum Dekl.	
	$10^h\ 3^m$		+17° 8′		$10^h\ 4^m$		+12° 20′		$10^h\ 6^m$		−11° 57′		$10^h\ 11^m$		−41° 43′	
1921	s		″		s		″		s		″		s		″	
Jan. 0.6	3.088	271	40.78	117	11.417	266	61.39	140	45.753	257	52.55	241	26.992	296	45.72	314
10.6	3.359	232	39.61	90	11.683	227	59.99	116	46.010	218	54.96	235	27.288	247	48.86	330
20.6	3.591	187	38.71	61	11.910	183	58.83	89	46.228	174	57.31	222	27.535	192	52.16	337
30.6	3.778	136	38.10	32	12.093	134	57.94	62	46.402	126	59.53	205	27.727	132	55.53	335
Feb. 9.5	3.914	85	37.78	5	12.227	83	57.32	35	46.528	76	61.58	183	27.859	73	58.88	325
19.5	3.999	34	37.73	20	12.310	34	56.97	10	46.604	29	63.41	158	27.932	16	62.13	306
März 1.5	4.033	12	37.93	40	12.344	12	56.87	12	46.633	15	64.99	133	27.948	37	65.19	283
11.5	4.021	55	38.33	56	12.332	52	56.99	30	46.618	53	66.32	106	27.911	85	68.02	253
21.4	3.966	88	38.89	67	12.280	85	57.29	44	46.565	85	67.38	79	27.826	124	70.55	219
31.4	3.878	113	39.56	73	12.195	110	57.73	54	46.480	109	68.17	54	27.702	156	72.74	183
Apr. 10.4	3.765	132	40.29	76	12.085	127	58.27	60	46.371	126	68.71	28	27.546	179	74.57	143
20.3	3.633	142	41.05	74	11.958	137	58.87	64	46.245	136	68.99	5	27.367	196	76.00	101
30.3	3.491	143	41.79	70	11.821	140	59.51	63	46.109	139	69.04	18	27.171	204	77.01	58
Mai 10.3	3.348	140	42.49	64	11.681	136	60.14	62	45.970	137	68.86	40	26.967	206	77.59	16
20.3	3.208	130	43.13	55	11.545	126	60.76	59	45.833	130	68.46	59	26.761	202	77.75	28
30.2	3.078	117	43.68	45	11.419	114	61.35	53	45.703	119	67.87	78	26.559	193	77.47	70
Juni 9.2	2.961	99	44.13	34	11.305	97	61.88	47	45.584	104	67.09	94	26.366	178	76.77	109
19.2	2.862	80	44.47	23	11.208	78	62.35	39	45.480	88	66.15	108	26.188	160	75.68	146
29.2	2.782	57	44.70	11	11.130	58	62.74	31	45.392	68	65.07	118	26.028	136	74.22	179
Juli 9.1	2.725	34	44.81	1	11.072	35	63.05	22	45.324	47	63.89	125	25.892	108	72.43	206
19.1	2.691	10	44.80	16	11.037	11	63.27	10	45.277	24	62.64	128	25.784	78	70.37	228
29.1	2.681	16	44.64	30	11.026	14	63.37	3	45.253	2	61.36	127	25.706	42	68.09	242
Aug. 8.0	2.697	44	44.34	46	11.040	41	63.34	17	45.255	28	60.09	120	25.664	4	65.67	248
18.0	2.741	72	43.88	62	11.081	69	63.17	34	45.283	57	58.89	108	25.660	38	63.19	246
28.0	2.813	102	43.26	79	11.150	98	62.83	52	45.340	89	57.81	89	25.698	83	60.73	233
Sept. 7.0	2.915	133	42.47	98	11.248	129	62.31	71	45.429	121	56.92	67	25.781	130	58.40	212
16.9	3.048	166	41.49	116	11.377	160	61.60	91	45.550	154	56.25	38	25.911	177	56.28	182
26.9	3.214	198	40.33	134	11.537	193	60.69	113	45.704	189	55.87	5	26.088	224	54.46	143
Okt. 6.9	3.412	231	38.99	151	11.730	226	59.56	132	45.893	222	55.82	30	26.312	268	53.03	96
16.9	3.643	261	37.48	166	11.956	255	58.24	152	46.115	253	56.12	67	26.580	309	52.07	44
26.8	3.904	288	35.82	176	12.211	282	56.72	166	46.368	279	56.79	105	26.889	343	51.63	11
Nov. 5.8	4.192	310	34.06	183	12.493	304	55.06	179	46.647	302	57.84	141	27.232	367	51.74	69
15.8	4.502	325	32.23	184	12.797	319	53.27	185	46.949	316	59.25	172	27.599	383	52.43	124
25.7	4.827	332	30.39	179	13.116	325	51.42	185	47.265	320	60.97	200	27.982	385	53.67	178
Dez. 5.7	5.159	328	28.60	169	13.441	322	49.57	180	47.585	316	62.97	220	28.367	376	55.45	225
15.7	5.487	315	26.91	152	13.763	308	47.77	168	47.901	301	65.17	233	28.743	353	57.70	265
25.7	5.802	290	25.39	131	14.071	285	46.09	152	48.202	275	67.50	239	29.096	320	60.35	297
35.6	6.092		24.08		14.356		44.57		48.477		69.89		29.416		63.32	
Mittl. Ort	1.692		54.40		10.015		73.74		44.211		47.03		24.962		48.22	
sec δ; tg δ	1.047		+0.309		1.024		+0.219		1.022		−0.212		1.340		−0.892	

Mittlere Zeit Greenw.	384) ζ Leonis				383) λ Ursae maj.				386) μ Ursae maj.				387) 30 H. Urs. maj.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$10^h\ 12^m$		$+23°\ 48'$		$10^h\ 12^m$		$+43°\ 17'$		$10^h\ 17^m$		$+41°\ 53'$		$10^h\ 18^m$		$+65°\ 57'$	
1921	s		"		s		"		s		"		s		"	
Jan. 0.7	19.336	288	26.36	91	21.743	345	74.13	1	39.094	343	30.84	11	28.88	56	36.64	91
10.6	19.624	249	25.45	58	22.088	298	74.14	43	39.437	298	30.73	33	29.44	48	37.55	142
20.6	19.873	203	24.87	26	22.386	242	74.57	84	39.735	244	31.06	73	29.92	39	38.97	187
30.6	20.076	151	24.61	6	22.628	180	75.41	119	39.979	183	31.79	109	30.31	29	40.84	224
Feb. 9.5	20.227	98	24.67	35	22.808	114	76.60	148	40.162	120	32.88	140	30.60	18	43.08	252
19.5	20.325	45	25.02	60	22.922	48	78.08	170	40.282	55	34.28	163	30.78	6	45.60	268
März 1.5	20.370	3	25.62	79	22.970	14	79.78	183	40.337	5	35.91	176	30.84	4	48.28	274
11.5	20.367	49	26.41	93	22.956	70	81.61	186	40.332	62	37.67	183	30.80	15	51.02	267
21.4	20.318	85	27.34	100	22.886	118	83.47	182	40.270	108	39.50	180	30.65	23	53.69	249
31.4	20.233	114	28.34	103	22.768	156	85.29	170	40.162	147	41.30	169	30.42	31	56.18	223
Apr. 10.4	20.119	134	29.37	100	22.612	184	86.99	151	40.015	174	42.99	152	30.11	36	58.41	188
20.3	19.985	146	30.37	94	22.428	201	88.50	126	39.841	192	44.51	129	29.75	41	60.29	147
30.3	19.839	150	31.31	82	22.227	208	89.76	98	39.649	200	45.80	102	29.34	43	61.76	101
Mai 10.3	19.689	149	32.13	69	22.019	206	90.74	65	39.449	199	46.82	72	28.91	42	62.77	52
20.3	19.540	139	32.82	54	21.813	197	91.39	33	39.250	190	47.54	39	28.49	42	63.29	3
30.2	19.401	127	33.36	38	21.616	180	91.72	1	39.060	176	47.93	6	28.07	40	63.32	47
Juni 9.2	19.274	110	33.74	20	21.436	158	91.71	34	38.884	156	47.99	25	27.67	36	62.85	94
19.2	19.164	90	33.94	3	21.278	133	91.37	66	38.728	131	47.74	57	27.31	31	61.91	138
29.2	19.074	69	33.97	15	21.145	103	90.71	96	38.597	104	47.17	88	27.00	25	60.53	179
Juli 9.1	19.005	44	33.82	33	21.042	71	89.75	125	38.493	74	46.29	115	26.75	20	58.74	216
19.1	18.961	20	33.49	49	20.971	38	88.50	150	38.419	41	45.14	141	26.55	14	56.58	248
29.1	18.941	8	33.00	68	20.933	2	87.00	173	38.378	8	43.73	165	26.41	7	54.10	273
Aug. 8.0	18.949	35	32.32	86	20.931	35	85.27	193	38.370	28	42.08	186	26.34	1	51.37	294
18.0	18.984	65	31.46	102	20.966	73	83.34	211	38.398	65	40.22	203	26.35	8	48.43	310
28.0	19.049	96	30.44	120	21.039	112	81.23	225	38.463	104	38.19	219	26.43	15	45.33	318
Sept. 7.0	19.145	128	29.24	137	21.151	153	78.98	235	38.567	143	36.00	231	26.58	23	42.15	322
16.9	19.273	163	27.87	153	21.304	195	76.63	242	38.710	184	33.69	238	26.81	30	38.93	318
26.9	19.436	197	26.34	167	21.499	236	74.21	244	38.894	226	31.31	243	27.11	37	35.75	308
Okt. 6.9	19.633	231	24.67	180	21.735	278	71.77	243	39.120	267	28.88	242	27.48	44	32.67	291
16.9	19.864	263	22.87	189	22.013	316	69.34	235	39.387	305	26.46	236	27.92	51	29.76	267
26.8	20.127	294	20.98	193	22.329	350	66.99	221	39.692	341	24.10	225	28.43	56	27.09	237
Nov. 5.8	20.421	317	19.05	194	22.679	380	64.78	203	40.033	370	21.85	207	28.99	62	24.72	199
15.8	20.738	335	17.11	188	23.059	400	62.75	176	40.403	391	19.78	184	29.61	64	22.73	155
25.7	21.073	344	15.23	176	23.459	410	60.99	146	40.794	403	17.94	153	30.25	66	21.18	106
Dez. 5.7	21.417	342	13.47	159	23.869	410	59.53	109	41.197	404	16.41	118	30.91	66	20.12	53
15.7	21.759	330	11.88	135	24.279	395	58.44	68	41.601	390	15.23	78	31.57	64	19.59	2
25.7	22.089	307	10.53	108	24.674	368	57.76	24	41.991	365	14.45	35	32.21	60	19.61	59
35.6	22.396		9.45		25.042		57.52		42.356		14.10		32.81		20.20	
Mittl. Ort	18.004		41.64		20.371		93.80		37.774		50.28		27.22		59.72	
sec δ, tg δ	1.093		+0.441		1.374		+0.943		1.343		+0.897		2.455		+2.242	

Mittlere Zeit Greenw.	389) μ Hydrae AR.		389) μ Hydrae Dekl.		391) J Carinae AR.		391) J Carinae Dekl.		390) 31 Leonis min. AR.		390) 31 Leonis min. Dekl.		392) Lac. α Antliae AR.		392) Lac. α Antliae Dekl.	
1921	10h 22m		−16° 25′		10h 22m		−73° 37′		10h 23m		+37° 6′		10h 23m		−30° 39′	
	s		″		s		″		s		″		s		″	
Jan. 0.7	17.675	270	60.99	254	54.41	63	36.24	307	20.524	328	26.67	37	33.813	285	54.11	289
10.6	17.945	233	63.53	252	55.04	51	39.31	344	20.852	288	26.30	4	34.098	244	57.00	299
20.6	18.178	188	66.05	244	55.55	38	42.75	369	21.140	237	26.34	43	34.342	195	59.99	300
30.6	18.366	141	68.49	229	55.93	24	46.44	384	21.377	181	26.77	80	34.537	144	62.99	293
Feb. 9.5	18.507	92	70.78	209	56.17	11	50.28	389	21.558	121	27.57	112	34.681	92	65.92	280
19.5	18.599	44	72.87	186	56.28	3	54.17	386	21.679	61	28.69	135	34.773	39	68.72	261
März 1.5	18.643	0	74.73	160	56.25	15	58.03	372	21.740	3	30.04	153	34.812	8	71.33	236
11.5	18.643	40	76.33	134	56.10	27	61.75	351	21.743	48	31.57	162	34.804	51	73.69	208
21.4	18.603	74	77.67	106	55.83	37	65.26	322	21.695	92	33.19	163	34.753	87	75.77	177
31.4	18.529	99	78.73	78	55.46	47	68.48	288	21.603	128	34.82	157	34.666	117	77.54	143
Apr. 10.4	18.430	119	79.51	51	54.99	54	71.36	247	21.475	155	36.39	145	34.549	137	78.97	110
20.4	18.311	131	80.02	24	54.45	60	73.83	201	21.320	172	37.84	125	34.412	152	80.07	73
30.3	18.180	137	80.26	2	53.85	64	75.84	152	21.148	180	39.09	104	34.260	161	80.80	38
Mai 10.3	18.043	138	80.24	28	53.21	67	77.36	100	20.968	179	40.13	77	34.099	163	81.18	2
20.3	17.905	133	79.96	50	52.54	68	78.36	47	20.789	174	40.90	49	33.936	160	81.20	33
30.2	17.772	125	79.46	73	51.86	68	78.83	8	20.615	160	41.39	21	33.776	153	80.87	67
Juni 9.2	17.647	114	78.73	92	51.18	65	78.75	63	20.455	142	41.60	9	33.623	141	80.20	99
19.2	17.533	99	77.81	111	50.53	62	78.12	115	20.313	122	41.51	37	33.482	127	79.21	129
29.2	17.434	82	76.70	124	49.91	55	76.97	163	20.191	96	41.14	66	33.355	108	77.92	154
Juli 9.1	17.352	62	75.46	135	49.36	49	75.34	208	20.095	70	40.48	91	33.247	86	76.38	176
19.1	17.290	40	74.11	142	48.87	40	73.26	246	20.025	41	39.57	116	33.161	62	74.62	191
29.1	17.250	16	72.69	144	48.47	29	70.80	277	19.984	11	38.41	140	33.099	33	72.71	201
Aug. 8.1	17.234	11	71.25	139	48.18	18	68.03	298	19.973	22	37.01	160	33.066	3	70.70	204
18.0	17.245	41	69.86	130	48.00	6	65.05	310	19.995	55	35.41	179	33.063	32	68.66	199
28.0	17.286	72	68.56	113	47.94	8	61.95	311	20.050	92	33.62	195	33.095	69	66.67	186
Sept. 7.0	17.358	106	67.43	91	48.02	21	58.84	301	20.142	129	31.67	210	33.164	109	64.81	165
16.9	17.464	142	66.52	64	48.23	35	55.83	278	20.271	168	29.57	221	33.273	149	63.16	136
26.9	17.606	178	65.88	30	48.58	48	53.05	245	20.439	207	27.36	228	33.422	191	61.80	101
Okt. 6.9	17.784	214	65.58	6	49.06	59	50.60	202	20.646	246	25.08	232	33.613	231	60.79	58
16.9	17.998	247	65.64	46	49.65	70	48.58	149	20.892	284	22.76	231	33.844	268	60.21	12
26.8	18.245	278	66.10	86	50.35	78	47.09	89	21.176	318	20.45	224	34.112	301	60.09	38
Nov. 5.8	18.523	301	66.96	125	51.13	84	46.20	26	21.494	348	18.21	211	34.413	327	60.47	88
15.8	18.824	319	68.21	162	51.97	86	45.94	41	21.842	369	16.10	192	34.740	344	61.35	135
25.8	19.143	326	69.83	194	52.83	87	46.35	107	22.211	381	14.18	167	35.084	351	62.70	181
Dez. 5.7	19.469	323	71.77	219	53.70	83	47.42	171	22.592	382	12.51	136	35.435	346	64.51	221
15.7	19.792	311	73.96	238	54.53	77	49.13	228	22.974	372	11.15	100	35.781	331	66.72	252
25.7	20.103	288	76.34	249	55.30	68	51.41	278	23.346	349	10.15	61	36.112	304	69.24	277
35.6	20.391		78.83		55.98		54.19		23.695		9.54		36.416		72.01	
Mittl. Ort	16.155		57.33		49.77		45.08		19.264		45.14		32.090		54.51	
sec δ, tg δ	1.043		−0.295		3.548		−3.404		1.254		+0.757		1.162		−0.593	

Mittlere Zeit Greenw.	393) s Carinae AR.	Δ	393) s Carinae Dekl.	Δ	394) 36 Ursae maj. AR.	Δ	394) 36 Ursae maj. Dekl.	Δ	395) 9 H. Draconis AR.	Δ	395) 9 H. Draconis Dekl.	Δ	404) 33 Sextantis AR.	Δ	404) 33 Sextantis Dekl.	Δ
1921	10ʰ 24ᵐ		−58° 20′		10ʰ 25ᵐ		+56° 22′		10ʰ 28ᵐ		+76° 6′		10ʰ 37ᵐ		−1° 19′	
Jan. 0.7	61ˢ.182	392	1″.84	315	36ˢ.306	440	48″.29	45	27ˢ.34	90	50″.31	115	24ˢ.392	278	41″.07	204
10.6	61.574	325	4.99	345	36.746	385	48.74	95	28.24	79	51.46	169	24.670	245	43.11	190
20.6	61.899	253	8.44	363	37.131	316	49.69	140	29.03	64	53.15	216	24.915	203	45.01	172
30.6	62.152	176	12.07	373	37.447	240	51.09	179	29.67	48	55.31	254	25.118	159	46.73	149
Feb. 9.6	62.328	97	15.80	371	37.687	157	52.88	210	30.15	30	57.85	282	25.277	111	48.22	124
19.5	62.425	21	19.51	362	37.844	72	54.98	231	30.45	11	60.67	298	25.388	65	49.46	98
März 1.5	62.446	52	23.13	343	37.916	9	57.29	242	30.56	7	63.65	301	25.453	20	50.44	73
11.5	62.394	117	26.56	319	37.907	84	59.71	241	30.49	24	66.66	292	25.473	20	51.17	49
21.4	62.277	173	29.75	287	37.823	150	62.12	232	30.25	40	69.58	272	25.453	53	51.66	27
31.4	62.104	222	32.62	251	37.673	205	64.44	212	29.85	53	72.30	241	25.400	81	51.93	6
Apr. 10.4	61.882	260	35.13	209	37.468	246	66.56	185	29.32	64	74.71	202	25.319	102	51.99	11
20.4	61.622	289	37.22	165	37.222	276	68.41	151	28.68	72	76.73	156	25.217	115	51.88	26
30.3	61.333	309	38.87	117	36.946	291	69.92	113	27.96	76	78.29	104	25.102	122	51.62	40
Mai 10.3	61.024	319	40.04	67	36.655	294	71.05	71	27.20	78	79.33	51	24.980	124	51.22	50
20.3	60.705	323	40.71	17	36.361	287	71.76	27	26.42	78	79.84	4	24.856	122	50.72	60
30.3	60.382	316	40.88	33	36.074	270	72.03	16	25.64	74	79.80	58	24.734	115	50.12	67
Juni 9.2	60.066	303	40.55	83	35.804	246	71.87	60	24.90	70	79.22	110	24.619	105	49.45	73
19.2	59.763	281	39.72	130	35.558	214	71.27	100	24.20	62	78.12	158	24.514	93	48.72	77
29.2	59.482	252	38.42	173	35.344	176	70.27	139	23.58	53	76.54	204	24.421	77	47.95	78
Juli 9.1	59.230	216	36.69	211	35.168	136	68.88	174	23.05	43	74.50	242	24.344	60	47.17	77
19.1	59.014	172	34.58	243	35.032	92	67.14	205	22.62	32	72.08	277	24.284	41	46.40	74
29.1	58.842	121	32.15	268	34.940	44	65.09	233	22.30	20	69.31	305	24.243	19	45.66	67
Aug. 8.1	58.721	64	29.47	284	34.896	6	62.76	254	22.10	8	66.26	325	24.224	5	44.99	57
18.0	58.657	1	26.63	290	34.902	56	60.22	273	22.02	5	63.01	341	24.229	31	44.42	43
28.0	58.656	66	23.73	286	34.958	110	57.49	286	22.07	18	59.60	348	24.260	61	43.99	26
Sept. 7.0	58.722	136	20.87	271	35.068	164	54.63	293	22.25	31	56.12	349	24.321	92	43.73	4
17.0	58.858	207	18.16	245	35.232	219	51.70	296	22.56	44	52.63	343	24.413	126	43.69	20
26.9	59.065	277	15.71	209	35.451	274	48.74	293	23.00	56	49.20	329	24.539	160	43.89	47
Okt. 6.9	59.342	342	13.62	164	35.725	328	45.81	283	23.56	68	45.91	308	24.699	196	44.36	76
16.9	59.684	401	11.98	112	36.053	379	42.98	266	24.24	78	42.83	280	24.895	230	45.12	105
26.8	60.085	449	10.86	52	36.432	425	40.32	245	25.02	89	40.03	244	25.125	261	46.17	134
Nov. 5.8	60.534	484	10.34	11	36.857	464	37.87	214	25.91	96	37.59	201	25.386	287	47.51	159
15.8	61.018	505	10.45	74	37.321	493	35.73	178	26.87	102	35.58	152	25.673	307	49.10	181
25.8	61.523	510	11.19	136	37.814	509	33.95	135	27.89	105	34.06	98	25.980	319	50.91	198
Dez. 5.7	62.033	497	12.55	195	38.323	512	32.60	89	28.94	106	33.08	39	26.299	320	52.89	207
15.7	62.530	467	14.50	246	38.835	497	31.71	38	30.00	103	32.69	21	26.619	312	54.96	211
25.7	62.997	422	16.96	291	39.332	468	31.33	14	31.03	96	32.90	80	26.931	293	57.07	208
35.7	63.419		19.87		39.800		31.47		31.99		33.70		27.224		59.15	
Mittl. Ort	58.503		8.62		34.953		70.35		25.33		74.33		23.085		33.36	
sec δ, tg δ	1.905		−1.621		1.807		+1.504		4.169		+4.047		1.000		−0.023	

Mittlere Zeit Greenw.	406) ϑ Argus AR.		406) ϑ Argus Dekl.		407) 42 Leonis min. AR.		407) 42 Leonis min. Dekl.		408) μ Argus AR.		408) μ Argus Dekl.		409) l Leonis AR.		409) l Leonis Dekl.	
1921	10h 40m		−63° 58′		10h 41m		+31° 5′		10h 43m		−49° 0′		10h 45m		+10° 57′	
Jan. 0.7	11.12	47	40.10	300	29.737	322	38.75	77	24.096	357	3.10	300	7.572	290	37.48	160
10.6	11.59	40	43.10	335	30.059	286	37.98	38	24.453	307	6.10	326	7.862	257	35.88	136
20.6	11.99	31	46.45	360	30.345	242	37.60	1	24.760	250	9.36	342	8.119	218	34.52	109
30.6	12.30	23	50.05	374	30.587	190	37.61	38	25.010	188	12.78	349	8.337	172	33.43	80
Feb. 9.6	12.53	14	53.79	379	30.777	135	37.99	72	25.198	125	16.27	347	8.509	124	32.63	51
19.5	12.67	5	57.58	375	30.912	80	38.71	100	25.323	61	19.74	337	8.633	76	32.12	23
März 1.5	12.72	3	61.33	361	30.992	26	39.71	122	25.384	1	23.11	319	8.709	30	31.89	3
11.5	12.69	12	64.94	341	31.018	22	40.93	136	25.385	53	26.30	295	8.739	12	31.92	24
21.4	12.57	18	68.35	313	30.996	65	42.29	144	25.332	101	29.25	266	8.727	47	32.16	42
31.4	12.39	24	71.48	279	30.931	99	43.73	144	25.231	140	31.91	232	8.680	77	32.58	55
Apr. 10.4	12.15	30	74.27	239	30.832	126	45.17	138	25.091	174	34.23	193	8.603	99	33.13	64
20.4	11.85	33	76.66	197	30.706	145	46.55	126	24.917	200	36.16	153	8.504	114	33.77	70
30.3	11.52	37	78.63	149	30.561	155	47.81	110	24.717	216	37.69	109	8.390	123	34.47	73
Mai 10.3	11.15	38	80.12	99	30.406	158	48.91	90	24.501	228	38.78	64	8.267	126	35.20	71
20.3	10.77	40	81.11	48	30.248	155	49.81	68	24.273	233	39.42	19	8.141	124	35.91	68
30.3	10.37	39	81.59	5	30.093	147	50.49	43	24.040	230	39.61	28	8.017	118	36.59	64
Juni 9.2	9.98	39	81.54	56	29.946	134	50.92	18	23.810	223	39.33	72	7.899	108	37.23	57
19.2	9.59	36	80.98	107	29.812	117	51.10	7	23.587	209	38.61	115	7.791	96	37.80	49
29.2	9.23	34	79.91	153	29.695	98	51.03	33	23.378	191	37.46	154	7.695	80	38.29	40
Juli 9.1	8.89	29	78.38	196	29.597	77	50.70	57	23.187	166	35.92	189	7.615	64	38.69	29
19.1	8.60	25	76.42	233	29.520	52	50.13	81	23.021	135	34.03	219	7.551	44	38.98	17
29.1	8.35	19	74.09	263	29.468	26	49.32	104	22.886	99	31.84	242	7.507	23	39.15	3
Aug. 8.1	8.16	12	71.46	285	29.442	2	48.28	126	22.787	58	29.42	256	7.484	1	39.18	12
18.0	8.04	5	68.61	296	29.444	33	47.02	146	22.729	11	26.86	262	7.485	27	39.06	30
28.0	7.99	4	65.65	297	29.477	66	45.56	166	22.718	40	24.24	259	7.512	56	38.76	48
Sept. 7.0	8.03	12	62.68	288	29.543	101	43.90	183	22.758	95	21.65	244	7.568	88	38.28	69
17.0	8.15	21	59.80	267	29.644	138	42.07	199	22.853	152	19.21	221	7.656	121	37.59	91
26.9	8.36	29	57.13	235	29.782	176	40.08	211	23.005	209	17.00	188	7.777	156	36.68	113
Okt. 6.9	8.65	37	54.78	194	29.958	215	37.97	220	23.214	265	15.12	146	7.933	192	35.55	136
16.9	9.02	45	52.84	143	30.173	253	35.77	226	23.479	317	13.66	97	8.125	226	34.19	155
26.8	9.47	51	51.41	86	30.426	289	33.51	225	23.796	361	12.69	41	8.351	260	32.64	174
Nov. 5.8	9.98	56	50.55	23	30.715	319	31.26	220	24.157	396	12.28	17	8.611	288	30.90	188
15.8	10.54	59	50.32	42	31.034	344	29.06	208	24.553	421	12.45	76	8.899	309	29.02	197
25.8	11.13	59	50.74	105	31.378	358	26.98	189	24.974	431	13.21	134	9.208	323	27.05	201
Dez. 5.7	11.72	58	51.79	167	31.736	364	25.09	165	25.405	428	14.55	188	9.531	328	25.04	197
15.7	12.30	56	53.46	223	32.100	357	23.44	134	25.833	410	16.43	237	9.859	321	23.07	187
25.7	12.86	51	55.69	273	32.457	338	22.10	99	26.243	379	18.80	277	10.180	304	21.20	172
35.7	13.37		58.42		32.795		21.11		26.622		21.57		10.484		19.48	
Mittl. Ort	8.10		48.86		28.610		55.77		21.989		9.19		6.388		48.78	
sec δ, tg δ	2.280		−2.049		1.168		+0.603		1.524		−1.150		1.019		+0.194	

Mittlere Zeit Greenw.	415) *i* Velorum AR.		Dekl.		416) β Ursae maj. AR.		Dekl.		417) α Ursae maj. AR.		Dekl.		418) χ Leonis AR.		Dekl.	
1921	$10^h\,56^m$		$-41°48'$		$10^h\,57^m$		$+56°\,47'$		$10^h\,58^m$		$+62°9'$		$11^h\,0^m$		$+7°\,45'$	
Jan. 0.7	33.379	340	1.84	285	6.085	469	59.83	12	52.92	53	76.83	30	57.709	294	38.30	177
10.7	33.719	298	4.69	308	6.554	423	59.95	66	53.45	49	77.13	85	58.003	265	36.53	155
20.6	34.017	249	7.77	321	6.977	362	60.61	117	53.94	41	77.98	137	58.268	227	34.98	130
30.6	34.266	195	10.98	326	7.339	290	61.78	162	54.35	33	79.35	184	58.495	184	33.68	102
Feb. 9.6	34.461	138	14.24	322	7.629	211	63.40	199	54.68	24	81.19	221	58.679	137	32.66	72
19.5	34.599	82	17.46	311	7.840	128	65.39	228	54.92	15	83.40	248	58.816	90	31.94	45
März 1.5	34.681	28	20.57	293	7.968	45	67.67	247	55.07	4	85.88	266	58.906	46	31.49	18
11.5	34.709	22	23.50	270	8.013	32	70.14	253	55.11	4	88.54	271	58.952	4	31.31	5
21.5	34.687	65	26.20	241	7.981	103	72.67	249	55.07	13	91.25	264	58.956	33	31.36	26
31.4	34.622	101	28.61	210	7.878	163	75.16	236	54.94	20	93.89	248	58.923	63	31.62	41
Apr. 10.4	34.521	132	30.71	174	7.715	214	77.52	213	54.74	25	96.37	222	58.860	86	32.03	54
20.4	34.389	156	32.45	137	7.501	250	79.65	184	54.49	31	98.59	190	58.774	103	32.57	62
30.3	34.233	172	33.82	96	7.251	276	81.49	146	54.18	34	100.49	149	58.671	114	33.19	67
Mai 10.3	34.061	183	34.78	57	6.975	289	82.95	106	53.84	35	101.98	105	58.557	119	33.86	70
20.3	33.878	188	35.35	15	6.686	291	84.01	63	53.49	36	103.03	58	58.438	120	34.56	69
30.3	33.690	189	35.50	27	6.395	284	84.64	18	53.13	35	103.61	9	58.318	117	35.25	68
Juni 9.2	33.501	184	35.23	66	6.111	268	84.82	28	52.78	33	103.70	39	58.201	110	35.93	64
19.2	33.317	175	34.57	105	5.843	244	84.54	71	52.45	31	103.31	85	58.091	101	36.57	58
29.2	33.142	160	33.52	140	5.599	216	83.83	114	52.14	27	102.46	130	57.990	88	37.15	51
Juli 9.2	32.982	141	32.12	171	5.383	180	82.69	153	51.87	23	101.16	171	57.902	74	37.66	42
19.1	32.841	118	30.41	198	5.203	142	81.16	189	51.64	18	99.45	209	57.828	56	38.08	32
29.1	32.723	88	28.43	218	5.061	99	79.27	221	51.46	13	97.36	242	57.772	37	38.40	20
Aug. 8.1	32.635	55	26.25	230	4.962	52	77.06	249	51.33	8	94.94	270	57.735	15	38.60	4
18.0	32.580	16	23.95	236	4.910	3	74.57	272	51.25	1	92.24	293	57.720	11	38.64	11
28.0	32.564	27	21.59	231	4.907	51	71.85	291	51.24	4	89.31	311	57.731	38	38.53	31
Sept. 7.0	32.591	74	19.28	218	4.958	105	68.94	303	51.28	11	86.20	323	57.769	70	38.22	51
17.0	32.665	124	17.10	196	5.063	162	65.91	311	51.39	18	82.97	328	57.839	104	37.71	74
26.9	32.789	175	15.14	164	5.225	222	62.80	313	51.57	25	79.69	328	57.943	139	36.97	98
Okt. 6.9	32.964	225	13.50	125	5.447	280	59.67	307	51.82	31	76.41	319	58.082	177	35.99	121
16.9	33.189	274	12.25	79	5.727	337	56.60	295	52.13	38	73.22	304	58.259	213	34.78	145
26.9	33.463	317	11.46	27	6.064	390	53.65	276	52.51	44	70.18	281	58.472	247	33.33	166
Nov. 5.8	33.780	352	11.19	27	6.454	438	50.89	250	52.95	50	67.37	251	58.719	278	31.67	183
15.8	34.132	378	11.46	82	6.892	476	48.39	215	53.45	54	64.86	212	58.997	302	29.84	196
25.8	34.510	392	12.28	136	7.368	502	46.24	174	53.99	57	62.74	168	59.299	318	27.88	204
Dez. 5.7	34.902	393	13.64	185	7.870	516	44.50	126	54.56	59	61.06	117	59.617	325	25.84	204
15.7	35.295	382	15.49	229	8.386	511	43.24	76	55.15	58	59.89	62	59.942	321	23.80	199
25.7	35.677	358	17.78	265	8.897	491	42.48	21	55.73	56	59.27	5	60.263	308	21.81	186
35.7	36.035		20.43		9.388		42.27		56.29		59.22		60.571		19.95	
Mittl. Ort	31.574		6.95		5.116		82.19		51.96		99.97		56.594		48.24	
sec δ, tg δ	1.341		—0.894		1.827		+1.529		2.143		+1.895		1.009		+0.136	

Mittlere Zeit Greenw.	420) ψ Ursae maj. AR.		Dekl.		421) β Crateris AR.		Dekl.		422) δ Leonis AR.		Dekl.		423) ϑ Leonis AR.		Dekl.	
1921	11h 5m		+44° 55′		11h 7m		−22° 23′		11h 9m		+20° 56′		11h 10m		+15° 51′	
Jan. 0.7	14.632	386	18.38	43	47.602	305	39.19	255	55.556	315	70.48	136	6.793	307	29.50	153
10.7	15.018	351	17.95	8	47.907	273	41.74	262	55.871	286	69.12	102	7.100	278	27.97	124
20.6	15.369	303	18.03	56	48.180	234	44.36	261	56.157	248	68.10	66	7.378	242	26.73	92
30.6	15.672	247	18.59	100	48.414	189	46.97	254	56.405	203	67.44	31	7.620	198	25.81	58
Feb. 9.6	15.919	185	19.59	139	48.603	141	49.51	240	56.608	156	67.13	4	7.818	151	25.23	27
19.5	16.104	120	20.98	171	48.744	94	51.91	221	56.764	105	67.17	34	7.969	103	24.96	4
März 1.5	16.224	57	22.69	194	48.838	49	54.12	199	56.869	58	67.51	63	8.072	57	25.00	31
11.5	16.281	4	24.63	208	48.887	6	56.11	174	56.927	12	68.14	83	8.129	13	25.31	54
21.5	16.277	59	26.71	211	48.893	30	57.85	148	56.939	27	68.97	100	8.142	25	25.85	72
31.4	16.218	106	28.82	207	48.863	62	59.33	120	56.912	61	69.97	109	8.117	58	26.57	84
Apr. 10.4	16.112	143	30.89	194	48.801	86	60.53	92	56.851	88	71.06	113	8.059	84	27.41	92
20.4	15.969	172	32.83	173	48.715	106	61.45	63	56.763	108	72.19	112	7.975	102	28.33	94
30.4	15.797	190	34.56	146	48.609	119	62.08	35	56.655	121	73.31	106	7.873	115	29.27	93
Mai 10.3	15.607	202	36.02	116	48.490	127	62.43	7	56.534	129	74.37	96	7.758	123	30.20	87
20.3	15.405	204	37.18	81	48.363	132	62.50	21	56.405	131	75.33	83	7.635	124	31.07	80
30.3	15.201	200	37.99	44	48.231	131	62.29	46	56.274	128	76.16	68	7.511	123	31.87	69
Juni 9.2	15.001	189	38.43	7	48.100	128	61.83	71	56.146	122	76.84	51	7.388	116	32.56	57
19.2	14.812	173	38.50	30	47.972	121	61.12	94	56.024	113	77.35	33	7.272	107	33.13	44
29.2	14.639	154	38.20	66	47.851	110	60.18	114	55.911	100	77.68	14	7.165	96	33.57	30
Juli 9.2	14.485	130	37.54	102	47.741	98	59.04	131	55.811	84	77.82	6	7.069	81	33.87	13
19.1	14.355	103	36.52	134	47.643	80	57.73	144	55.727	67	77.76	26	6.988	65	34.00	3
29.1	14.252	73	35.18	165	47.563	60	56.29	152	55.660	47	77.50	47	6.923	45	33.97	21
Aug. 8.1	14.179	40	33.53	193	47.503	36	54.77	154	55.613	23	77.03	67	6.878	23	33.76	39
18.1	14.139	3	31.60	217	47.467	7	53.23	151	55.590	2	76.36	88	6.855	3	33.37	59
28.0	14.136	36	29.43	239	47.460	24	51.72	141	55.592	31	75.48	110	6.858	30	32.78	80
Sept. 7.0	14.172	79	27.04	256	47.484	60	50.31	124	55.623	64	74.38	130	6.888	63	31.98	100
17.0	14.251	123	24.48	269	47.544	99	49.07	101	55.687	100	73.08	151	6.951	97	30.98	122
26.9	14.374	171	21.79	277	47.643	140	48.06	71	55.787	136	71.57	171	7.048	133	29.76	143
Okt. 6.9	14.545	218	19.02	281	47.783	182	47.35	37	55.923	175	69.86	187	7.181	172	28.33	163
16.9	14.763	265	16.21	278	47.965	222	46.98	2	56.098	215	67.99	202	7.353	209	26.70	182
26.9	15.028	310	13.43	269	48.187	260	47.00	45	56.313	251	65.97	213	7.562	246	24.88	196
Nov. 5.8	15.338	350	10.74	252	48.447	292	47.45	86	56.564	284	63.84	219	7.808	278	22.92	206
15.8	15.688	383	8.22	229	48.739	318	48.31	128	56.848	311	61.65	218	8.086	305	20.86	211
25.8	16.071	406	5.93	198	49.057	334	49.59	166	57.159	331	59.47	212	8.391	323	18.75	210
Dez. 5.8	16.477	419	3.95	161	49.391	340	51.25	199	57.490	340	57.35	198	8.714	333	16.65	202
15.7	16.896	417	2.34	118	49.731	334	53.24	225	57.830	340	55.37	178	9.047	332	14.63	188
25.7	17.313	403	1.16	71	50.065	319	55.49	245	58.170	327	53.59	153	9.379	319	12.75	167
35.7	17.716		0.45		50.384		57.94		58.497		52.06		9.698		11.08	
Mittl. Ort	13.734		38.52		46.227		39.27		54.581		84.31		5.786		41.78	
sec δ, tg δ	1.412		+0.998		1.081		−0.412		1.071		+0.383		1.040		+0.284	

Mittlere Zeit Greenw.	425) ν Ursae maj.				426) δ Crateris				427) σ Leonis				428) π Centauri			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	11h 14m		+33° 30′		11h 15m		−14° 21′		11h 17m		+6° 27′		11h 17m		−54° 3′	
	s		″		s		″		s		″		s		″	
Jan. 0.7	13.855	345	74.64	92	24.602	302	5.25	237	4.859	302	35.94	185	26.001	423	19.30	269
10.7	14.200	315	73.72	50	24.904	272	7.62	236	5.161	274	34.09	164	26.424	377	21.99	304
20.6	14.515	275	73.22	6	25.176	236	9.98	229	5.435	238	32.45	140	26.801	320	25.03	329
30.6	14.790	226	73.16	36	25.412	193	12.27	216	5.673	198	31.05	112	27.121	257	28.32	345
Feb. 9.6	15.016	174	73.52	75	25.605	147	14.43	198	5.871	152	29.93	83	27.378	190	31.77	351
19.5	15.190	119	74.27	108	25.752	102	16.41	177	6.023	107	29.10	54	27.568	124	35.28	350
März 1.5	15.309	65	75.35	135	25.854	58	18.18	153	6.130	62	28.56	27	27.692	58	38.78	339
11.5	15.374	13	76.70	153	25.912	17	19.71	128	6.192	21	28.29	2	27.750	3	42.17	323
21.5	15.387	32	78.23	165	25.929	20	20.99	103	6.213	17	28.27	18	27.747	59	45.40	298
31.4	15.355	72	79.88	168	25.909	49	22.02	77	6.196	47	28.45	37	27.688	108	48.38	270
Apr. 10.4	15.283	103	81.56	164	25.860	75	22.79	53	6.149	72	28.82	50	27.580	150	51.08	236
20.4	15.180	128	83.20	153	25.785	93	23.32	29	6.077	91	29.32	60	27.430	186	53.44	198
30.4	15.052	145	84.73	137	25.692	107	23.61	6	5.986	104	29.92	67	27.244	214	55.42	156
Mai 10.3	14.907	154	86.10	116	25.585	115	23.67	14	5.882	112	30.59	70	27.030	235	56.98	112
20.3	14.753	158	87.26	91	25.470	120	23.53	36	5.770	116	31.29	71	26.795	250	58.10	66
30.3	14.595	155	88.17	64	25.350	120	23.17	54	5.654	115	32.00	70	26.545	258	58.76	19
Juni 9.2	14.440	149	88.81	36	25.230	117	22.63	71	5.539	110	32.70	67	26.287	260	58.95	28
19.2	14.291	138	89.17	7	25.113	111	21.92	86	5.429	104	33.37	62	26.027	255	58.67	74
29.2	14.153	123	89.24	23	25.002	103	21.06	100	5.325	95	33.99	56	25.772	243	57.93	119
Juli 9.2	14.030	107	89.01	52	24.899	91	20.06	109	5.230	82	34.55	47	25.529	223	56.74	159
19.1	13.923	85	88.49	80	24.808	76	18.97	116	5.148	67	35.02	38	25.306	196	55.15	196
29.1	13.838	63	87.69	107	24.732	57	17.81	119	5.081	49	35.40	26	25.110	163	53.19	225
Aug. 8.1	13.775	36	86.62	133	24.675	35	16.62	117	5.032	29	35.66	12	24.947	120	50.94	249
18.1	13.739	7	85.29	157	24.640	10	15.45	110	5.003	5	35.78	5	24.827	72	48.45	263
28.0	13.732	26	83.72	180	24.630	19	14.35	97	4.998	23	35.73	24	24.755	16	45.82	268
Sept. 7.0	13.758	62	81.92	200	24.649	53	13.38	81	5.021	54	35.49	44	24.739	46	43.14	264
17.0	13.820	100	79.92	218	24.702	90	12.57	57	5.075	87	35.05	68	24.785	111	40.50	248
26.9	13.920	141	77.74	233	24.792	128	12.00	28	5.162	124	34.37	91	24.896	178	38.02	223
Okt. 6.9	14.061	184	75.41	243	24.920	168	11.72	3	5.286	162	33.46	116	25.074	245	35.79	187
16.9	14.245	226	72.98	250	25.088	208	11.75	38	5.448	200	32.30	140	25.319	308	33.92	144
26.9	14.471	267	70.48	250	25.296	245	12.13	75	5.648	237	30.90	162	25.627	366	32.48	91
Nov. 5.8	14.738	304	67.98	245	25.541	277	12.88	111	5.885	269	29.28	182	25.993	413	31.57	36
15.8	15.042	334	65.53	233	25.818	304	13.99	145	6.154	296	27.46	196	26.406	449	31.21	24
25.8	15.376	357	63.20	213	26.122	322	15.44	176	6.450	315	25.50	205	26.855	471	31.45	84
Dez. 5.8	15.733	369	61.07	187	26.444	329	17.20	201	6.765	324	23.45	208	27.326	477	32.29	142
15.7	16.102	370	59.20	155	26.773	327	19.21	220	7.089	324	21.37	204	27.803	467	33.71	195
25.7	16.472	358	57.65	117	27.100	313	21.41	232	7.413	313	19.33	193	28.270	442	35.66	243
35.7	16.830		56.48		27.413		23.73		7.726		17.40		28.712		38.09	
Mittl. Ort	12.982		91.96		23.368		3.05		3.827		45.01		23.909		28.50	
sec δ, tg δ	1.200		+0.663		1.032		−0.256		1.006		+0.113		1.704		−1.379	

Mittlere Zeit Greenw.	429) Gr. 1771 AR.		429) Gr. 1771 Dekl.		433) λ Draconis AR.		433) λ Draconis Dekl.		434) ξ Hydrae AR.		434) ξ Hydrae Dekl.		436) λ Centauri AR.		436) λ Centauri Dekl.	
1921	11ʰ 18ᵐ		+64° 45′		11ʰ 26ᵐ		+69° 45′		11ʰ 29ᵐ		−31° 25′		11ʰ 32ᵐ		−62° 34′	
Jan. 0.7	11.15	59	23.64	15	44.37	72	38.11	20	8.157	333	9.51	255	10.20	53	45.66	248
10.7	11.74	54	23.79	74	45.09	66	38.31	81	8.490	302	12.06	272	10.73	47	48.14	290
20.6	12.28	48	24.53	129	45.75	58	39.12	139	8.792	263	14.78	281	11.20	41	51.04	322
30.6	12.76	39	25.82	180	46.33	48	40.51	189	9.055	218	17.59	283	11.61	34	54.26	346
Feb. 9.6	13.15	29	27.62	220	46.81	37	42.40	233	9.273	170	20.42	276	11.95	25	57.72	360
19.6	13.44	20	29.82	253	47.18	25	44.73	265	9.443	121	23.18	264	12.20	17	61.32	365
März 1.5	13.64	9	32.35	273	47.43	13	47.38	287	9.564	73	25.82	246	12.37	10	64.97	362
11.5	13.73	1	35.08	282	47.56	0	50.25	295	9.637	29	28.28	225	12.47	2	68.59	351
21.5	13.72	10	37.90	279	47.56	12	53.20	293	9.666	12	30.53	200	12.49	6	72.10	331
31.4	13.62	19	40.69	266	47.44	22	56.13	278	9.654	47	32.53	172	12.43	12	75.41	307
Apr. 10.4	13.43	26	43.35	242	47.22	31	58.91	254	9.607	75	34.25	143	12.31	17	78.48	274
20.4	13.17	31	45.77	210	46.91	39	61.45	220	9.532	100	35.68	111	12.14	23	81.22	239
30.4	12.86	36	47.87	170	46.52	45	63.65	179	9.432	118	36.79	79	11.91	27	83.61	198
Mai 10.3	12.50	38	49.57	126	46.07	48	65.44	132	9.314	131	37.58	47	11.64	30	85.59	153
20.3	12.12	40	50.83	79	45.59	51	66.76	83	9.183	141	38.05	14	11.34	33	87.12	106
30.3	11.72	39	51.62	29	45.08	51	67.59	30	9.042	145	38.19	19	11.01	34	88.18	56
Juni 9.3	11.33	39	51.91	22	44.57	50	67.89	22	8.897	147	38.00	50	10.67	36	88.74	5
19.2	10.94	36	51.69	71	44.07	48	67.67	74	8.750	143	37.50	81	10.31	35	88.79	45
29.2	10.58	33	50.98	118	43.59	44	66.93	123	8.607	138	36.69	109	9.96	34	88.34	94
Juli 9.2	10.25	29	49.80	162	43.15	39	65.70	170	8.469	126	35.60	134	9.62	33	87.40	141
19.1	9.96	24	48.18	204	42.76	34	64.00	213	8.343	112	34.26	154	9.29	29	85.99	183
29.1	9.72	19	46.14	240	42.42	28	61.87	251	8.231	91	32.72	171	9.00	25	84.16	220
Aug. 8.1	9.53	13	43.74	271	42.14	20	59.36	284	8.140	68	31.01	182	8.75	20	81.96	250
18.1	9.40	7	41.03	297	41.94	12	56.52	311	8.072	38	29.19	185	8.55	13	79.46	273
28.0	9.33	1	38.06	318	41.82	5	53.41	332	8.034	3	27.34	181	8.42	7	76.73	284
Sept. 7.0	9.32	7	34.88	333	41.77	5	50.09	347	8.031	36	25.53	170	8.35	1	73.89	286
17.0	9.39	14	31.55	341	41.82	14	46.62	355	8.067	78	23.83	151	8.36	10	71.03	277
27.0	9.53	22	28.14	342	41.96	23	43.07	355	8.145	124	22.32	125	8.46	19	68.26	258
Okt. 6.9	9.75	30	24.72	336	42.19	33	39.52	348	8.269	172	21.07	91	8.65	27	65.68	226
16.9	10.05	37	21.36	322	42.52	41	36.04	333	8.441	217	20.16	51	8.92	35	63.42	185
26.9	10.42	44	18.14	300	42.93	51	32.71	310	8.658	261	19.65	7	9.27	44	61.57	137
Nov. 5.8	10.86	51	15.14	271	43.44	59	29.61	278	8.919	299	19.58	39	9.71	49	60.20	80
15.8	11.37	56	12.43	233	44.03	65	26.83	237	9.218	330	19.97	86	10.20	54	59.40	20
25.8	11.93	60	10.10	188	44.68	71	24.46	192	9.548	351	20.83	132	10.74	57	59.20	42
Dez. 5.8	12.53	62	8.22	137	45.39	74	22.54	137	9.899	360	22.15	173	11.31	58	59.62	105
15.7	13.15	63	6.85	80	46.13	75	21.17	79	10.259	359	23.88	210	11.89	58	60.67	163
25.7	13.78	62	6.05	21	46.88	74	20.38	17	10.618	344	25.98	240	12.47	55	62.30	216
35.7	14.40		5.84		47.62		20.21		10.962		28.38		13.02		64.46	
Mittl. Ort	10.49		47.07		43.94		62.02		6.758		13.35		7.75		57.40	
sec δ, tg δ	2.345		+2.122		2.892		+2.713		1.172		−0.611		2.172		−1.928	

Mittlere Zeit Greenw.	437) υ Leonis				440) 3 Draconis				441) χ Ursae maj.				444) β Leonis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	11h 32m		−0° 23′		11h 38m		+67° 10′		11h 41m		+48° 12′		11h 45m		+15° 0′	
Jan. 0.7	55.227	305	21.35	205	5.10	65	32.70	3	53.638	421	42.46	68	2.687	318	38.33	170
10.7	55.532	281	23.40	191	5.75	61	32.67	— 60	54.059	392	41.78	13	3.005	296	36.63	141
20.7	55.813	248	25.31	172	6.36	54	33.27	117	54.451	351	41.65	— 40	3.301	264	35.22	109
30.6	56.061	208	27.03	149	6.90	46	34.44	171	54.802	300	42.05	91	3.565	225	34.13	75
Feb. 9.6	56.269	165	28.52	124	7.36	36	36.15	217	55.102	240	42.96	136	3.790	183	33.38	40
19.6	56.434	121	29.76	97	7.72	26	38.32	252	55.342	175	44.32	176	3.973	137	32.98	7
März 1.5	56.555	78	30.73	70	7.98	14	40.84	277	55.517	109	46.08	205	4.110	91	32.91	— 24
11.5	56.633	36	31.43	44	8.12	3	43.61	291	55.626	45	48.13	225	4.201	48	33.15	49
21.5	56.669	1	31.87	21	8.15	— 7	46.52	291	55.671	— 15	50.38	235	4.249	9	33.64	71
31.5	56.670	— 32	32.08	0	8.08	16	49.43	281	55.656	70	52.73	235	4.258	— 25	34.35	86
Apr. 10.4	56.638	57	32.08	17	7.92	25	52.24	260	55.586	115	55.08	226	4.233	54	35.21	97
20.4	56.581	77	31.91	33	7.67	32	54.84	230	55.471	152	57.34	208	4.179	77	36.18	102
30.4	56.504	92	31.58	44	7.35	38	57.14	192	55.319	181	59.42	183	4.102	94	37.20	103
Mai 10.4	56.412	103	31.14	54	6.97	41	59.06	148	55.138	202	61.25	152	4.008	107	38.23	99
20.3	56.309	108	30.60	61	6.56	44	60.54	100	54.936	213	62.77	117	3.901	115	39.22	92
30.3	56.201	111	29.99	67	6.12	44	61.54	50	54.723	218	63.94	78	3.786	118	40.14	82
Juni 9.3	56.090	110	29.32	70	5.68	45	62.04	— 3	54.505	217	64.72	37	3.668	118	40.96	71
19.2	55.980	106	28.62	71	5.23	42	62.01	53	54.288	208	65.09	— 5	3.550	116	41.67	56
29.2	55.874	100	27.91	71	4.81	40	61.48	103	54.080	195	65.04	45	3.434	109	42.23	41
Juli 9.2	55.774	90	27.20	68	4.41	36	60.45	151	53.885	177	64.59	85	3.325	101	42.64	25
19.2	55.684	78	26.52	63	4.05	31	58.94	194	53.708	155	63.74	124	3.224	88	42.89	6
29.1	55.606	62	25.89	57	3.74	26	57.00	233	53.553	128	62.50	160	3.136	74	42.95	— 12
Aug. 8.1	55.544	43	25.32	46	3.48	21	54.67	269	53.425	97	60.90	193	3.062	55	42.83	31
18.1	55.501	20	24.86	32	3.27	13	51.98	298	53.328	62	58.97	223	3.007	33	42.52	53
28.0	55.481	— 7	24.54	17	3.14	6	49.00	322	53.266	22	56.74	249	2.974	6	41.99	74
Sept. 7.0	55.488	37	24.37	— 4	3.08	— 1	45.78	339	53.244	— 22	54.25	272	2.968	— 24	41.25	96
17.0	55.525	71	24.41	26	3.09	10	42.39	350	53.266	70	51.53	288	2.992	59	40.29	120
27.0	55.596	109	24.67	52	3.19	18	38.89	355	53.336	120	48.65	301	3.051	96	39.09	142
Okt. 6.9	55.705	147	25.19	79	3.37	27	35.34	350	53.456	173	45.64	308	3.147	137	37.67	163
16.9	55.852	187	25.98	106	3.64	35	31.84	339	53.629	228	42.56	308	3.284	177	36.04	184
26.9	56.039	226	27.04	133	3.99	43	28.45	319	53.857	280	39.48	301	3.461	217	34.20	200
Nov. 5.9	56.265	260	28.37	159	4.42	51	25.26	291	54.137	328	36.47	285	3.678	254	32.20	213
15.8	56.525	289	29.96	180	4.93	58	22.35	254	54.465	372	33.62	263	3.932	286	30.07	221
25.8	56.814	310	31.76	197	5.51	63	19.81	209	54.837	405	30.99	233	4.218	310	27.86	222
Dez. 5.8	57.124	322	33.73	207	6.14	66	17.72	158	55.242	427	28.66	194	4.528	328	25.64	215
15.7	57.446	324	35.80	212	6.80	68	16.14	101	55.669	437	26.72	149	4.856	332	23.49	204
25.7	57.770	315	37.92	209	7.48	67	15.13	40	56.106	432	25.23	100	5.188	326	21.45	184
35.7	58.085		40.01		8.15		14.73		56.538		24.23		5.514		19.61	
Mittl. Ort	54.227		15.07		4.83		56.24		53.122		62.85		1.893		49.43	
sec δ, tg δ	1.000		−0.007		2.579		+2.377		1.501		+1.119		1.035		+0.268	

Mittlere Zeit Greenw.	445) β Virginis				447) γ Ursae maj.				450) o Virginis				452) δ Centauri			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	11ʰ 46ᵐ		+2° 12′		11ʰ 49ᵐ		+54° 7′		12ʰ 1ᵐ		+9° 9′		12ʰ 4ᵐ		−50° 16′	
	s		″		s		″		s		″		s		″	
Jan. 0.7	35.708	312	29.04	201	41.325	468	40.84	58	11.879	318	69.34	188	17.004	434	46.04	225
10.7	36.020	290	27.03	186	41.793	441	40.26	0	12.197	299	67.46	165	17.438	402	48.29	260
20.7	36.310	259	25.17	163	42.234	397	40.26	57	12.496	269	65.81	138	17.840	361	50.89	290
30.6	36.569	221	23.54	139	42.631	341	40.83	110	12.765	234	64.43	108	18.201	310	53.79	309
Feb. 9.6	36.790	180	22.15	112	42.972	276	41.93	158	12.999	193	63.35	75	18.511	254	56.88	321
19.6	36.970	136	21.03	83	43.248	204	43.51	198	13.192	150	62.60	43	18.765	197	60.09	324
März 1.6	37.106	93	20.20	55	43.452	131	45.49	228	13.342	107	62.17	13	18.962	138	63.33	321
11.5	37.199	52	19.65	29	43.583	58	47.77	249	13.449	66	62.04	15	19.100	81	66.54	310
21.5	37.251	15	19.36	6	43.641	12	50.26	258	13.515	27	62.19	38	19.181	29	69.64	292
31.5	37.266	17	19.30	14	43.629	74	52.84	257	13.542	7	62.57	56	19.210	19	72.56	271
Apr. 10.4	37.249	44	19.44	32	43.555	128	55.41	246	13.535	35	63.13	71	19.191	63	75.27	243
20.4	37.205	66	19.76	44	43.427	174	57.87	225	13.500	60	63.84	81	19.128	102	77.70	213
30.4	37.139	83	20.20	55	43.253	210	60.12	197	13.440	78	64.65	86	19.026	135	79.83	177
Mai 10.4	37.056	95	20.75	63	43.043	235	62.09	163	13.362	92	65.51	89	18.891	163	81.60	140
20.3	36.961	102	21.38	67	42.808	252	63.72	123	13.270	102	66.40	86	18.728	186	83.00	100
30.3	36.859	108	22.05	69	42.556	260	64.95	80	13.168	109	67.26	82	18.542	205	84.00	57
Juni 9.3	36.751	108	22.74	70	42.296	261	65.75	37	13.059	113	68.08	75	18.337	216	84.57	13
19.3	36.643	107	23.44	68	42.035	253	66.12	10	12.946	111	68.83	67	18.121	224	84.70	29
29.2	36.536	102	24.12	66	41.782	239	66.02	54	12.835	110	69.50	57	17.897	225	84.41	72
Juli 9.2	36.434	94	24.78	60	41.543	220	65.48	98	12.725	104	70.07	44	17.672	219	83.69	112
19.2	36.340	84	25.38	52	41.323	195	64.50	139	12.621	94	70.51	31	17.453	206	82.57	150
29.1	36.256	70	25.90	44	41.128	164	63.11	178	12.527	82	70.82	15	17.247	185	81.07	183
Aug. 8.1	36.186	52	26.34	31	40.964	130	61.33	214	12.445	66	70.97	1	17.062	156	79.24	209
18.1	36.134	31	26.65	17	40.834	90	59.19	245	12.379	46	70.96	19	16.906	119	77.15	230
28.1	36.103	5	26.82	0	40.744	45	56.74	272	12.333	21	70.77	39	16.787	74	74.85	241
Sept. 7.0	36.098	25	26.82	20	40.699	5	54.02	295	12.312	8	70.38	61	16.713	22	72.44	245
17.0	36.123	59	26.62	44	40.704	59	51.07	312	12.320	43	69.77	85	16.691	37	69.99	238
27.0	36.182	96	26.18	68	40.763	116	47.95	324	12.363	79	68.92	108	16.728	101	67.61	222
Okt. 7.0	36.278	136	25.50	93	40.879	176	44.71	328	12.442	120	67.84	132	16.829	166	65.39	195
16.9	36.414	177	24.57	120	41.055	237	41.43	326	12.562	161	66.52	155	16.995	231	63.44	160
26.9	36.591	215	23.37	145	41.292	297	38.17	316	12.723	202	64.97	176	17.226	293	61.84	116
Nov. 5.9	36.806	252	21.92	168	41.589	352	35.01	298	12.925	241	63.21	195	17.519	349	60.68	67
15.8	37.058	284	20.24	188	41.941	401	32.03	271	13.166	275	61.26	207	17.868	394	60.01	14
25.8	37.342	307	18.36	201	42.342	442	29.32	237	13.441	301	59.19	216	18.262	428	59.87	42
Dez. 5.8	37.649	322	16.35	211	42.784	468	26.95	195	13.742	319	57.03	217	18.690	448	60.29	97
15.7	37.971	326	14.24	212	43.252	482	25.00	146	14.061	327	54.86	211	19.138	453	61.26	149
25.7	38.297	320	12.12	206	43.73[illegible]	480	23.54	91	14.388	324	52.75	198	19.591	443	62.75	197
35.7	38.617		10.06		44.214		22.63		14.712		50.77		20.034		64.72	
Mittl. Ort	34.811		35.74		40.972		62.25		11.134		77.96		15.406		56.80	
sec δ, tg δ	1.001		+0.039		1.707		+1.383		1.013		+0.162		1.565		−1.204	

Mittlere Zeit Greenw.	453) ε Corvi				454) 4 H. Draconis				456) δ Ursae maj.				459) β Chamael.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	12h 6m		−22° 10′		12h 8m		+78° 2′		12h 11m		+57° 27′		12h 13m		−78° 52′	
Jan. 0.7	4.568	333	47.03	227	29.77	116	54.87	13	31.458	506	55.69	74	45.09	123	8.96	168
10.7	4.901	310	49.30	238	30.93	110	54.74	54	31.964	484	54.95	13	46.32	113	10.64	223
20.7	5.211	280	51.68	242	32.03	102	55.28	116	32.448	445	54.82	46	47.45	103	12.87	270
30.6	5.491	243	54.10	238	33.05	89	56.44	173	32.893	391	55.28	105	48.48	88	15.57	309
Feb. 9.6	5.734	202	56.48	228	33.94	74	58.17	224	33.284	326	56.33	155	49.36	72	18.66	340
19.6	5.936	158	58.76	214	34.68	55	60.41	264	33.610	253	57.88	200	50.08	56	22.06	362
März 1.6	6.094	114	60.90	195	35.23	36	63.05	294	33.863	175	59.88	235	50.64	39	25.68	375
11.5	6.208	73	62.85	175	35.59	16	65.99	310	34.038	98	62.23	259	51.03	22	29.43	378
21.5	6.281	35	64.60	151	35.75	4	69.09	315	34.136	21	64.82	272	51.25	4	33.21	374
31.5	6.316	1	66.11	127	35.71	24	72.24	307	34.157	50	67.54	274	51.29	13	36.95	361
Apr. 10.5	6.317	29	67.38	103	35.47	40	75.31	288	34.107	113	70.28	266	51.16	27	40.56	341
20.4	6.288	55	68.41	77	35.07	56	78.19	258	33.994	167	72.94	247	50.89	43	43.97	315
30.4	6.233	75	69.18	53	34.51	69	80.77	219	33.827	212	75.41	220	50.46	56	47.12	280
Mai 10.4	6.158	92	69.71	28	33.82	79	82.96	174	33.615	246	77.61	185	49.90	68	49.92	242
20.3	6.066	105	69.99	5	33.03	86	84.70	124	33.369	271	79.46	146	49.22	78	52.34	196
30.3	5.961	115	70.04	20	32.17	91	85.94	71	33.098	287	80.92	103	48.44	86	54.30	148
Juni 9.3	5.846	121	69.84	42	31.26	93	86.65	15	32.811	294	81.95	56	47.58	92	55.78	96
19.3	5.725	125	69.42	63	30.33	92	86.80	40	32.517	293	82.51	8	46.66	96	56.74	41
29.2	5.600	125	68.79	84	29.41	89	86.40	95	32.224	283	82.59	39	45.70	97	57.15	15
Juli 9.2	5.475	121	67.95	101	28.52	83	85.45	146	31.941	268	82.20	86	44.73	95	57.00	70
19.2	5.354	113	66.94	114	27.69	76	83.99	194	31.673	246	81.34	131	43.78	90	56.30	123
29.2	5.241	101	65.80	126	26.93	67	82.05	239	31.427	217	80.03	173	42.88	82	55.07	173
Aug. 8.1	5.140	84	64.54	133	26.26	57	79.66	277	31.210	182	78.30	212	42.06	72	53.34	216
18.1	5.056	62	63.21	133	25.69	44	76.89	311	31.028	141	76.18	247	41.34	58	51.18	254
28.1	4.994	33	61.88	130	25.25	32	73.78	337	30.887	95	73.71	277	40.76	42	48.64	284
Sept. 7.0	4.961	1	60.58	119	24.93	18	70.41	358	30.792	43	70.94	303	40.34	23	45.80	302
17.0	4.960	38	59.39	102	24.75	2	66.83	371	30.749	16	67.91	323	40.11	3	42.78	310
27.0	4.998	80	58.37	80	24.73	14	63.12	376	30.765	78	64.68	336	40.08	18	39.68	306
Okt. 7.0	5.078	125	57.57	52	24.87	29	59.36	374	30.843	144	61.32	344	40.26	40	36.62	291
16.9	5.203	171	57.05	18	25.16	46	55.62	362	30.987	211	57.88	343	40.66	60	33.71	263
26.9	5.374	216	56.87	19	25.62	62	52.00	343	31.198	279	54.45	335	41.26	79	31.08	225
Nov. 5.9	5.590	257	57.06	57	26.24	76	48.57	313	31.477	343	51.10	318	42.05	96	28.83	176
15.9	5.847	292	57.63	96	27.00	91	45.44	276	31.820	401	47.92	292	43.01	110	27.07	121
25.8	6.139	320	58.59	133	27.91	101	42.68	230	32.221	450	45.00	257	44.11	119	25.86	60
Dez. 5.8	6.459	337	59.92	167	28.92	110	40.38	175	32.671	486	42.43	215	45.30	126	25.26	4
15.8	6.796	343	61.59	194	30.02	116	38.63	116	33.157	508	40.28	164	46.56	127	25.30	69
25.7	7.139	339	63.53	217	31.18	117	37.47	53	33.665	514	38.64	110	47.83	124	25.99	130
35.7	7.478		65.70		32.35		36.94		34.179		37.54		49.07		27.29	
Mittl. Ort	3.521		49.53		30.98		78.68		31.438		77.16		40.85		25.10	
sec δ, tg δ	1.080		−0.408		4.832		+4.727		1.860		+1.568		5.182		−5.085	

Mittlere Zeit Greenw.	460) η Virginis				462) α Crucis med.				466) 20 Comae				465) δ Corvi			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	12h 15m		−0° 13′		12h 22m		−62° 39′		12h 25m		+21° 19′		12h 25m		−16° 4′	
Jan. 0.7	52.561	319	45.19	205	13.76	58	28.22	187	45.708	337	48.35	174	47.307	330	31.56	216
10.7	52.880	301	47.24	193	14.34	54	30.09	234	46.045	321	46.61	139	47.637	312	33.72	222
20.7	53.181	274	49.17	174	14.88	50	32.43	274	46.366	296	45.22	101	47.949	286	35.94	219
30.7	53.455	242	50.91	152	15.38	43	35.17	306	46.662	263	44.21	60	48.235	253	38.13	212
Feb. 9.6	53.697	202	52.43	125	15.81	36	38.23	328	46.925	224	43.61	20	48.488	215	40.25	198
19.6	53.899	162	53.68	98	16.17	29	41.51	343	47.149	181	43.41	20	48.703	174	42.23	180
März 1.6	54.061	121	54.66	70	16.46	22	44.94	349	47.330	137	43.61	55	48.877	133	44.03	161
11.5	54.182	80	55.36	44	16.68	13	48.43	346	47.467	92	44.16	86	49.010	93	45.64	138
21.5	54.262	44	55.80	18	16.81	7	51.89	338	47.559	51	45.02	110	49.103	56	47.02	115
31.5	54.306	11	55.98	2	16.88	1	55.27	321	47.610	14	46.12	127	49.159	22	48.17	92
Apr. 10.5	54.317	19	55.96	22	16.87	6	58.48	298	47.624	20	47.39	139	49.181	8	49.09	70
20.4	54.298	43	55.74	36	16.81	13	61.46	271	47.604	48	48.78	144	49.173	33	49.79	48
30.4	54.255	63	55.38	49	16.68	18	64.17	237	47.556	72	50.22	141	49.140	56	50.27	27
Mai 10.4	54.192	78	54.89	58	16.50	23	66.54	199	47.484	90	51.63	135	49.084	74	50.54	8
20.4	54.114	91	54.31	64	16.27	26	68.53	157	47.394	105	52.98	123	49.010	88	50.62	11
30.3	54.023	100	53.67	69	16.01	30	70.10	111	47.289	116	54.21	108	48.922	101	50.51	29
Juni 9.3	53.923	106	52.98	71	15.71	33	71.21	64	47.173	122	55.29	90	48.821	110	50.22	45
19.3	53.817	109	52.27	70	15.38	34	71.85	15	47.051	127	56.19	69	48.711	115	49.77	60
29.2	53.708	109	51.57	69	15.04	35	72.00	34	46.924	126	56.88	46	48.596	119	49.17	74
Juli 9.2	53.599	107	50.88	66	14.69	35	71.66	84	46.798	123	57.34	23	48.477	118	48.43	85
19.2	53.492	100	50.22	60	14.34	33	70.82	130	46.675	117	57.57	2	48.359	114	47.58	94
29.2	53.392	91	49.62	52	14.01	31	69.52	172	46.558	107	57.55	27	48.245	105	46.64	101
Aug. 8.1	53.301	76	49.10	42	13.70	27	67.80	208	46.451	92	57.28	52	48.140	92	45.63	102
18.1	53.225	58	48.68	29	13.43	22	65.72	240	46.359	73	56.76	79	48.048	73	44.61	102
28.1	53.167	34	48.39	12	13.21	16	63.32	262	46.286	49	55.97	104	47.975	48	43.59	94
Sept. 7.1	53.133	6	48.27	5	13.05	8	60.70	275	46.237	19	54.93	129	47.927	18	42.65	84
17.0	53.127	28	48.32	27	12.97	1	57.95	277	46.218	14	53.64	154	47.909	17	41.81	67
27.0	53.155	66	48.59	51	12.96	9	55.18	269	46.232	53	52.10	178	47.926	58	41.14	45
Okt. 7.0	53.221	106	49.10	77	13.05	18	52.49	250	46.285	95	50.32	200	47.984	100	40.69	18
16.9	53.327	149	49.87	104	13.23	27	49.99	220	46.380	140	48.32	219	48.084	148	40.51	11
26.9	53.476	191	50.91	131	13.50	35	47.79	181	46.520	184	46.13	233	48.232	192	40.62	44
Nov. 5.9	53.667	231	52.22	155	13.85	44	45.98	133	46.704	228	43.80	244	48.424	235	41.06	79
15.9	53.898	266	53.77	177	14.29	50	44.65	79	46.932	266	41.36	248	48.659	271	41.85	112
25.8	54.164	295	55.54	194	14.79	55	43.86	21	47.198	298	38.88	245	48.930	302	42.97	143
Dez. 5.8	54.459	314	57.48	206	15.34	58	43.65	39	47.496	323	36.43	235	49.232	323	44.40	171
15.8	54.773	324	59.54	212	15.92	59	44.04	99	47.819	336	34.08	217	49.555	334	46.11	193
25.8	55.097	323	61.66	209	16.51	59	45.03	154	48.155	340	31.91	192	49.889	333	48.04	210
35.7	55.420		63.75		17.10		46.57		48.495		29.99		50.222		50.14	
Mittl. Ort	51.813		40.39		11.83		42.45		45.241		60.18		46.450		32.75	
sec δ, tg δ	1.000		−0.004		2.178		−1.934		1.074		+0.391		1.041		−0.288	

Mittlere Zeit Greenw.	470) 8 Canum ven. AR.		Dekl.		472) κ Draconis AR.		Dekl.		471) β Corvi AR.		Dekl.		473) 24 Comae sq. AR.		Dekl.	
1921	$12^h 29^m$		+41° 46′		$12^h 30^m$		+70° 12′		$12^h 30^m$		−22° 57′		$12^h 31^m$		+18° 48′	
Jan. 0.7	59.861	393	53.82	133	6.31	74	62.08	63	14.914	341	32.46	215	10.572	333	31.58	181
10.7	60.254	378	52.49	82	7.05	73	61.45	2	15.255	324	34.61	228	10.905	319	29.77	148
20.7	60.632	351	51.67	27	7.78	68	61.47	67	15.579	298	36.89	233	11.224	295	28.29	113
30.7	60.983	314	51.40	26	8.46	60	62.14	128	15.877	263	39.22	231	11.519	264	27.16	73
Feb. 9.6	61.297	268	51.66	76	9.06	52	63.42	183	16.140	225	41.53	224	11.783	225	26.43	34
19.6	61.565	216	52.42	123	9.58	41	65.25	230	16.365	184	43.77	212	12.008	184	26.09	5
März 1.6	61.781	161	53.65	162	9.99	30	67.55	266	16.549	141	45.89	196	12.192	140	26.14	40
11.6	61.942	106	55.27	194	10.29	18	70.21	292	16.690	101	47.85	176	12.332	98	26.54	71
21.5	62.048	52	57.21	214	10.47	5	73.13	305	16.791	63	49.61	155	12.430	57	27.25	96
31.5	62.100	2	59.35	227	10.52	6	76.18	306	16.854	28	51.16	133	12.487	20	28.21	115
Apr. 10.5	62.102	42	61.62	230	10.46	18	79.24	295	16.882	4	52.49	109	12.507	13	29.36	128
20.4	62.060	81	63.92	223	10.28	26	82.19	274	16.878	31	53.58	86	12.494	41	30.64	134
30.4	61.979	113	66.15	208	10.02	36	84.93	243	16.847	54	54.44	62	12.453	64	31.98	134
Mai 10.4	61.866	139	68.23	187	9.66	41	87.36	204	16.793	74	55.06	39	12.389	83	33.32	130
20.4	61.727	160	70.10	160	9.25	47	89.40	160	16.719	92	55.45	15	12.306	99	34.62	120
30.3	61.567	174	71.70	127	8.78	51	91.00	111	16.627	104	55.60	7	12.207	110	35.82	107
Juni 9.3	61.393	183	72.97	93	8.27	53	92.11	59	16.523	116	55.53	30	12.097	118	36.89	92
19.3	61.210	187	73.90	54	7.74	53	92.70	6	16.407	123	55.23	50	11.979	122	37.81	73
29.3	61.023	186	74.44	15	7.21	52	92.76	48	16.284	128	54.73	71	11.857	124	38.54	52
Juli 9.2	60.837	180	74.59	24	6.69	51	92.28	99	16.156	128	54.02	88	11.733	121	39.06	31
19.2	60.657	170	74.35	63	6.18	47	91.29	149	16.028	124	53.14	104	11.612	117	39.37	8
29.2	60.487	156	73.72	101	5.71	43	89.80	195	15.904	116	52.10	117	11.495	108	39.45	15
Aug. 8.1	60.331	136	72.71	137	5.28	37	87.85	238	15.788	102	50.93	124	11.387	93	39.30	40
18.1	60.195	111	71.34	172	4.91	31	85.47	275	15.686	83	49.69	129	11.294	76	38.90	64
28.1	60.084	80	69.62	203	4.60	24	82.72	308	15.603	57	48.40	127	11.218	53	38.26	89
Sept. 7.1	60.004	44	67.59	232	4.36	16	79.64	335	15.546	25	47.13	119	11.165	24	37.37	115
17.0	59.960	3	65.27	258	4.20	6	76.29	354	15.521	12	45.94	106	11.141	9	36.22	139
27.0	59.957	42	62.69	279	4.14	3	72.75	366	15.533	55	44.88	86	11.150	47	34.83	164
Okt. 7.0	59.999	93	59.90	295	4.17	13	69.09	372	15.588	101	44.02	60	11.197	90	33.19	186
17.0	60.092	146	56.95	305	4.30	24	65.37	369	15.689	148	43.42	30	11.287	133	31.33	206
26.9	60.238	198	53.90	309	4.54	34	61.68	357	15.837	196	43.12	5	11.420	178	29.27	223
Nov. 5.9	60.436	251	50.81	305	4.88	45	58.11	336	16.033	240	43.17	42	11.598	221	27.04	235
15.9	60.687	297	47.76	293	5.33	54	54.75	305	16.273	280	43.59	79	11.819	260	24.69	242
25.8	60.984	338	44.83	272	5.87	62	51.70	266	16.553	311	44.38	117	12.079	292	22.27	242
Dez. 5.8	61.322	369	42.11	244	6.49	68	49.04	218	16.864	333	45.55	150	12.371	318	19.85	234
15.8	61.691	388	39.67	207	7.17	73	46.86	163	17.197	345	47.05	179	12.689	331	17.51	220
25.8	62.079	396	37.60	162	7.90	75	45.23	102	17.542	344	48.84	203	13.020	336	15.31	198
35.7	62.475		35.98		8.65		44.21		17.886		50.87		13.356		13.33	
Mittl. Ort	59.703		71.40		7.18		84.67		14.002		36.20		10.113		42.39	
sec δ, tg δ	1.341		+0.894		2.956		+2.781		1.086		−0.424		1.056		+0.341	

Mittlere Zeit Greenw.	474) α Muscae AR.		474) α Muscae Dekl.		476) γ Centauri AR.		476) γ Centauri Dekl.		478) 76 Ursae maj. AR.		478) 76 Ursae maj. Dekl.		481) β Crucis AR.		481) β Crucis Dekl.	
1921	12h 32m		−68° 41′		12h 37m		−48° 31′		12h 38m		+63° 8′		12h 43m		−59° 15′	
Jan. 0.7	29.63	71	46.30	163	10.358	438	22.40	190	6.67	59	26.31	91	7.149	543	11.30	166
10.7	30.34	68	47.93	214	10.796	417	24.30	228	7.26	57	25.40	28	7.692	517	12.96	213
20.7	31.02	62	50.07	259	11.213	383	26.58	259	7.83	54	25.12	— 35	8.209	479	15.09	252
30.7	31.64	55	52.66	296	11.596	341	29.17	281	8.37	48	25.47	97	8.688	428	17.61	284
Feb. 9.6	32.19	46	55.62	324	11.937	293	31.98	295	8.85	41	26.44	154	9.116	369	20.45	308
19.6	32.65	38	58.86	344	12.230	241	34.93	303	9.26	34	27.98	202	9.485	306	23.53	323
März 1.6	33.03	29	62.30	355	12.471	187	37.96	303	9.60	25	30.00	243	9.791	239	26.76	331
11.6	33.32	19	65.85	358	12.658	133	40.99	296	9.85	16	32.43	271	10.030	173	30.07	331
21.5	33.51	10	69.43	353	12.791	83	43.95	285	10.01	7	35.14	289	10.203	108	33.38	324
31.5	33.61	1	72.96	340	12.874	36	46.80	266	10.08	— 2	38.03	295	10.311	46	36.62	310
Apr. 10.5	33.62	— 6	76.36	322	12.910	— 9	49.46	244	10.06	10	40.98	289	10.357	— 12	39.72	291
20.4	33.56	15	79.58	296	12.901	49	51.90	218	9.96	16	43.87	273	10.345	67	42.63	266
30.4	33.41	22	82.54	265	12.852	86	54.08	188	9.80	23	46.60	248	10.278	117	45.29	237
Mai 10.4	33.19	28	85.19	227	12.766	118	55.96	155	9.57	28	49.08	213	10.161	163	47.66	201
20.4	32.91	34	87.46	186	12.648	148	57.51	118	9.29	32	51.21	174	9.998	203	49.67	164
30.3	32.57	39	89.32	141	12.500	168	58.69	80	8.97	35	52.95	128	9.795	238	51.31	121
Juni 9.3	32.18	43	90.73	92	12.332	190	59.49	41	8.62	37	54.23	81	9.557	267	52.52	77
19.3	31.75	44	91.65	40	12.142	204	59.90	0	8.25	37	55.04	30	9.290	288	53.29	30
29.3	31.31	47	92.05	— 11	11.938	213	59.90	41	7.88	38	55.34	— 22	9.002	302	53.59	— 16
Juli 9.2	30.84	47	91.94	62	11.725	216	59.49	80	7.50	36	55.12	71	8.700	307	53.43	63
19.2	30.37	45	91.32	113	11.509	212	58.69	118	7.14	34	54.41	120	8.393	302	52.80	108
29.2	29.92	42	90.19	159	11.297	199	57.51	152	6.80	31	53.21	167	8.091	286	51.72	150
Aug. 8.1	29.50	38	88.60	201	11.098	179	55.99	181	6.49	28	51.54	210	7.805	259	50.22	187
18.1	29.12	32	86.59	237	10.919	149	54.18	204	6.21	23	49.44	248	7.546	219	48.35	219
28.1	28.80	24	84.22	264	10.770	111	52.14	220	5.98	18	46.96	283	7.327	168	46.16	243
Sept. 7.1	28.56	14	81.58	283	10.659	63	49.94	229	5.80	13	44.13	312	7.159	107	43.73	258
17.0	28.42	4	78.75	290	10.596	10	47.65	228	5.67	5	41.01	335	7.052	36	41.15	264
27.0	28.38	— 7	75.85	288	10.586	— 51	45.37	218	5.62	— 1	37.66	351	7.016	— 44	38.51	259
Okt. 7.0	28.45	18	72.97	273	10.637	116	43.19	197	5.63	10	34.15	362	7.060	127	35.92	244
17.0	28.63	31	70.24	246	10.753	182	41.22	169	5.73	18	30.53	362	7.187	211	33.48	219
26.9	28.94	41	67.78	211	10.935	246	39.53	132	5.91	25	26.91	357	7.398	294	31.29	183
Nov. 5.9	29.35	51	65.67	164	11.181	306	38.21	87	6.16	34	23.34	340	7.692	370	29.46	138
15.9	29.86	60	64.03	112	11.487	358	37.34	39	6.50	42	19.94	315	8.062	437	28.08	89
25.8	30.46	66	62.91	54	11.845	399	36.95	— 13	6.92	48	16.79	281	8.499	488	27.19	34
Dez. 5.8	31.12	71	62.37	— 7	12.244	428	37.08	66	7.40	53	13.98	237	8.987	526	26.85	— 23
15.8	31.83	73	62.44	69	12.672	442	37.74	116	7.93	56	11.61	187	9.513	544	27.08	80
25.8	32.56	72	63.13	128	13.114	442	38.90	163	8.49	59	9.74	129	10.057	546	27.88	135
35.7	33.28		64.41		13.556		40.53		9.08		8.45		10.603		29.23	
Mittl. Ort	27.42		61.98		9.069		34.11		7.23		47.77		5.596		25.71	
sec δ, tg δ	2.753		−2.565		1.510		−1.131		2.214		+1.975		1.956		−1.681	

Mittlere Zeit Greenw.	482) *n* Centauri AR.		Dekl.		483) ε Ursae maj. AR.		Dekl.	
1921	12h 49m		−39° 44′		12h 50m		+56° 22′	
Jan. 0.8	4.274	395	48.88	189	33.101	494	58.24	122
10.7	4.669	379	50.77	219	33.595	485	57.02	62
20.7	5.048	352	52.96	243	34.080	460	56.40	0
30.7	5.400	317	55.39	259	34.540	419	56.40	61
Feb. 9.6	5.717	275	57.98	268	34.959	367	57.01	119
19.6	5.992	230	60.66	270	35.326	302	58.20	169
März 1.6	6.222	185	63.36	265	35.628	234	59.89	214
11.6	6.407	138	66.01	257	35.862	161	62.03	246
21.5	6.545	94	68.58	242	36.023	89	64.49	269
31.5	6.639	53	71.00	224	36.112	19	67.18	280
Apr. 10.5	6.692	15	73.24	203	36.131	46	69.98	280
20.5	6.707	20	75.27	178	36.085	105	72.78	270
30.4	6.687	52	77.05	151	35.980	155	75.48	250
Mai 10.4	6.635	80	78.56	122	35.825	198	77.98	222
20.4	6.555	105	79.78	92	35.627	232	80.20	187
30.3	6.450	126	80.70	58	35.395	258	82.07	148
Juni 9.3	6.324	145	81.28	25	35.137	277	83.55	103
19.3	6.179	159	81.53	8	34.860	286	84.58	56
29.3	6.020	169	81.45	43	34.574	290	85.14	8
Juli 9.2	5.851	174	81.02	75	34.284	285	85.22	41
19.2	5.677	174	80.27	105	33.999	275	84.81	87
29.2	5.503	166	79.22	134	33.724	256	83.94	133
Aug. 8.2	5.337	152	77.88	157	33.468	230	82.61	177
18.1	5.185	129	76.31	174	33.238	199	80.84	216
28.1	5.056	99	74.57	187	33.039	159	78.68	253
Sept. 7.1	4.957	62	72.70	192	32.880	113	76.15	284
17.0	4.895	16	70.78	189	32.767	59	73.31	310
27.0	4.879	36	68.89	177	32.708	1	70.21	332
Okt. 7.0	4.915	91	67.12	157	32.709	65	66.89	346
17.0	5.006	149	65.55	129	32.774	134	63.43	353
26.9	5.155	207	64.26	95	32.908	204	59.90	351
Nov. 5.9	5.362	261	63.31	54	33.112	272	56.39	342
15.9	5.623	310	62.77	10	33.384	338	52.97	323
25.9	5.933	348	62.67	37	33.722	395	49.74	295
Dez. 5.8	6.281	377	63.04	82	34.117	441	46.79	257
15.8	6.658	393	63.86	127	34.558	475	44.22	211
25.8	7.051	397	65.13	167	35.033	493	42.11	159
35.7	7.448		66.80		35.526		40.52	
Mittl. Ort	3.247		58.64		33.519		78.13	
sec δ, tg δ	1.301		−0.832		1.807		+1.504	

Mittlere Zeit Greenw.	484) δ Virginis AR.		Dekl.		485) 12 Can. ven. sq. AR.		Dekl.	
1921	12h 51m		+3° 49′		12h 52m		+38° 44′	
Jan. 0.8	37.894	322	30.19	202	20.136	381	25.10	161
10.7	38.216	312	28.17	187	20.517	372	23.49	111
20.7	38.528	292	26.30	165	20.889	351	22.38	58
30.7	38.820	264	24.65	138	21.240	319	21.80	4
Feb. 9.6	39.084	230	23.27	108	21.559	279	21.76	47
19.6	39.314	193	22.19	78	21.838	233	22.23	97
März 1.6	39.507	154	21.41	48	22.071	182	23.20	138
11.6	39.661	116	20.93	18	22.253	132	24.58	173
21.5	39.777	79	20.75	8	22.385	81	26.31	200
31.5	39.856	44	20.83	30	22.466	33	28.31	217
Apr. 10.5	39.900	14	21.13	48	22.499	10	30.48	225
20.5	39.914	13	21.61	63	22.489	48	32.73	224
30.4	39.901	37	22.24	74	22.441	82	34.97	213
Mai 10.4	39.864	57	22.98	79	22.359	110	37.10	197
20.4	39.807	74	23.77	83	22.249	133	39.07	174
30.3	39.733	87	24.60	83	22.116	151	40.81	145
Juni 9.3	39.646	100	25.43	80	21.965	164	42.26	113
19.3	39.546	108	26.23	76	21.801	173	43.39	77
29.3	39.438	113	26.99	69	21.628	177	44.16	41
Juli 9.2	39.325	117	27.68	61	21.451	176	44.57	2
19.2	39.208	115	28.29	51	21.275	172	44.59	36
29.2	39.093	111	28.80	39	21.103	162	44.23	75
Aug. 8.2	38.982	102	29.19	25	20.941	147	43.48	111
18.1	38.880	86	29.44	9	20.794	126	42.37	147
28.1	38.794	67	29.53	8	20.668	100	40.90	180
Sept. 7.1	38.727	40	29.45	28	20.568	69	39.10	212
17.0	38.687	9	29.17	51	20.499	29	36.98	239
27.0	38.678	27	28.66	74	20.470	14	34.59	264
Okt. 7.0	38.705	69	27.92	99	20.484	62	31.95	283
17.0	38.774	113	26.93	124	20.546	114	29.12	299
26.9	38.887	157	25.69	148	20.660	168	26.13	306
Nov. 5.9	39.044	201	24.21	171	20.828	219	23.07	307
15.9	39.245	241	22.50	189	21.047	268	20.00	301
25.9	39.486	275	20.61	204	21.315	310	16.99	285
Dez. 5.8	39.761	300	18.57	213	21.625	345	14.14	262
15.8	40.061	317	16.44	215	21.970	369	11.52	228
25.8	40.378	324	14.29	209	22.339	380	9.24	189
35.7	40.702		12.20		22.719		7.35	
Mittl. Ort	37.399		35.07		20.110		41.02	
sec δ, tg δ	1.002		+0.067		1.282		+0.803	

Mittlere Zeit Greenw.	486) 8 Draconis AR.		486) 8 Draconis Dekl.		488) ε Virginis AR.		488) ε Virginis Dekl.		490) υ Virginis AR.		490) υ Virginis Dekl.		492) 43 Comae AR.		492) 43 Comae Dekl.	
1921	$12^h 52^m$		+65° 51′		$12^h 58^m$		+11° 22′		$13^h 5^m$		−5° 7′		$13^h 8^m$		+28° 16′	
	s		″		s		″		s		″		s		″	
Jan. 0.8	19.21	63	39.27	103	15.034	326	53.18	198	51.969	326	4.61	203	11.390	347	29.43	186
10.7	19.84	62	38.24	38	15.360	318	51.20	175	52.295	317	6.64	197	11.737	342	27.57	145
20.7	20.46	60	37.86	26	15.678	298	49.45	146	52.612	298	8.61	186	12.079	324	26.12	100
30.7	21.06	54	38.12	90	15.976	272	47.99	111	52.910	273	10.47	167	12.403	299	25.12	52
Feb. 9.7	21.60	48	39.02	148	16.248	238	46.88	76	53.183	241	12.14	146	12.702	264	24.60	4
19.6	22.08	39	40.50	200	16.486	202	46.12	40	53.424	206	13.60	122	12.966	225	24.56	42
März 1.6	22.47	30	42.50	243	16.688	162	45.72	6	53.630	169	14.82	96	13.191	183	24.98	83
11.6	22.77	20	44.93	274	16.850	123	45.66	26	53.799	131	15.78	70	13.374	138	25.81	121
21.5	22.97	11	47.67	294	16.973	84	45.92	53	53.930	95	16.48	45	13.512	96	27.02	150
31.5	23.08	0	50.61	303	17.057	50	46.45	76	54.025	63	16.93	23	13.608	54	28.52	171
Apr. 10.5	23.08	8	53.64	299	17.107	18	47.21	93	54.088	31	17.16	2	13.662	17	30.23	185
20.5	23.00	17	56.63	284	17.125	11	48.14	105	54.119	4	17.18	15	13.679	17	32.08	192
30.4	22.83	23	59.47	261	17.114	36	49.19	111	54.123	20	17.03	29	13.662	47	34.00	189
Mai 10.4	22.60	30	62.08	227	17.078	57	50.30	113	54.103	42	16.74	42	13.615	73	35.89	180
20.4	22.30	35	64.35	188	17.021	75	51.43	110	54.061	62	16.32	50	13.542	96	37.69	167
30.4	21.95	39	66.23	143	16.946	90	52.53	104	53.999	77	15.82	58	13.446	113	39.36	146
Juni 9.3	21.56	41	67.66	95	16.856	103	53.57	95	53.922	91	15.24	64	13.333	128	40.82	123
19.3	21.15	43	68.61	43	16.753	111	54.52	83	53.831	103	14.60	66	13.205	139	42.05	97
29.3	20.72	42	69.04	9	16.642	118	55.35	69	53.728	112	13.94	68	13.066	146	43.02	67
Juli 9.2	20.30	42	68.95	61	16.524	122	56.04	53	53.616	117	13.26	69	12.920	151	43.69	36
19.2	19.88	41	68.34	111	16.402	121	56.57	36	53.499	119	12.57	66	12.769	150	44.05	5
29.2	19.47	38	67.23	160	16.281	117	56.93	18	53.380	117	11.91	63	12.619	145	44.10	28
Aug. 8.2	19.09	34	65.63	204	16.164	108	57.11	3	53.263	110	11.28	56	12.474	136	43.82	60
18.1	18.75	29	63.59	245	16.056	94	57.08	23	53.153	97	10.72	48	12.338	121	43.22	92
28.1	18.46	24	61.14	282	15.962	74	56.85	46	53.056	77	10.24	36	12.217	99	42.30	123
Sept. 7.1	18.22	17	58.32	312	15.888	48	56.39	69	52.979	53	9.88	21	12.118	72	41.07	153
17.1	18.05	11	55.20	338	15.840	17	55.70	94	52.926	21	9.67	2	12.046	39	39.54	182
27.0	17.94	2	51.82	356	15.823	19	54.76	118	52.905	16	9.65	19	12.007	0	37.72	208
Okt. 7.0	17.92	6	48.26	367	15.842	61	53.58	143	52.921	58	9.84	42	12.007	43	35.64	231
17.0	17.98	15	44.59	370	15.903	105	52.15	166	52.979	102	10.26	69	12.050	91	33.33	252
26.9	18.13	24	40.89	365	16.008	150	50.49	188	53.081	149	10.95	96	12.141	141	30.81	266
Nov. 5.9	18.37	34	37.24	351	16.158	195	48.61	207	53.230	193	11.91	123	12.282	189	28.15	276
15.9	18.71	41	33.73	326	16.353	236	46.54	219	53.423	235	13.14	148	12.471	236	25.39	278
25.9	19.12	50	30.47	293	16.589	271	44.35	228	53.658	271	14.62	170	12.707	276	22.61	273
Dez. 5.8	19.62	55	27.54	250	16.860	300	42.07	230	53.929	298	16.32	187	12.983	309	19.88	260
15.8	20.17	60	25.04	199	17.160	317	39.77	223	54.227	316	18.19	198	13.292	333	17.28	237
25.8	20.77	63	23.05	141	17.477	326	37.54	211	54.543	325	20.17	204	13.625	345	14.91	208
35.8	21.40		21.64		17.803		35.43		54.868		22.21		13.970		12.83	
Mittl. Ort	20.14		60.50		14.662		60.43		51.464		3.46		11.303		41.71	
sec δ, tg δ	2.446		+2.232		1.020		+0.201		1.004		−0.089		1.135		+0.538	

Mittlere Zeit Greenw.	495) γ Hydrae AR.		495) γ Hydrae Dekl.		496) ι Centauri AR.		496) ι Centauri Dekl.		497) ζ Ursae maj. pr. AR.		497) ζ Ursae maj. pr. Dekl.		498) α Virginis AR.		498) α Virginis Dekl.	
1921	13h 14m		−22° 45′		13h 16m		−36° 17′		13h 20m		+55° 19′		13h 21m		−10° 44′	
Jan. 0.8	38.024	348	13.50	188	9.738	385	36.07	168	44.164	476	57.03	159	2.187	330	56.46	197
10.7	38.372	339	15.38	202	10.123	375	37.75	196	44.640	477	55.44	100	2.517	323	58.43	197
20.7	38.711	320	17.40	210	10.498	355	39.71	218	45.117	462	54.44	37	2.840	307	60.40	192
30.7	39.031	294	19.50	210	10.853	326	41.89	233	45.579	431	54.07	25	3.147	284	62.32	180
Feb. 9.7	39.325	262	21.60	206	11.179	291	44.22	241	46.010	388	54.32	87	3.431	254	64.12	164
19.6	39.587	226	23.66	196	11.470	251	46.63	243	46.398	335	55.19	142	3.685	220	65.76	145
März 1.6	39.813	188	25.62	182	11.721	209	49.06	240	46.733	272	56.61	192	3.905	185	67.21	123
11.6	40.001	150	27.44	166	11.930	168	51.46	231	47.005	205	58.53	230	4.090	148	68.44	99
21.6	40.151	113	29.10	147	12.098	126	53.77	219	47.210	138	60.83	261	4.238	112	69.43	77
31.5	40.264	78	30.57	128	12.224	87	55.96	203	47.348	69	63.44	278	4.350	80	70.20	55
Apr. 10.5	40.342	45	31.85	107	12.311	49	57.99	185	47.417	6	66.22	286	4.430	49	70.75	35
20.5	40.387	16	32.92	87	12.360	15	59.84	164	47.423	54	69.08	283	4.479	20	71.10	16
30.4	40.403	12	33.79	67	12.375	17	61.48	140	47.369	109	71.91	269	4.499	5	71.26	0
Mai 10.4	40.391	36	34.46	47	12.358	46	62.88	116	47.260	155	74.60	246	4.494	29	71.26	14
20.4	40.355	59	34.93	27	12.312	73	64.04	89	47.105	195	77.06	216	4.465	50	71.12	27
30.4	40.296	79	35.20	6	12.239	99	64.93	61	46.910	228	79.22	180	4.415	69	70.85	38
Juni 9.3	40.217	96	35.26	12	12.140	120	65.54	32	46.682	254	81.02	138	4.346	86	70.47	47
19.3	40.121	112	35.14	31	12.020	138	65.86	3	46.428	273	82.40	93	4.260	100	70.00	56
29.3	40.009	124	34.83	49	11.882	153	65.89	26	46.155	285	83.33	45	4.160	112	69.44	62
Juli 9.3	39.885	132	34.34	66	11.729	164	65.63	56	45.870	288	83.78	3	4.048	121	68.82	67
19.2	39.753	137	33.68	82	11.565	169	65.07	84	45.582	287	83.75	51	3.927	125	68.15	71
29.2	39.616	135	32.86	94	11.396	167	64.23	108	45.295	276	83.24	98	3.802	125	67.44	72
Aug. 8.2	39.481	129	31.92	104	11.229	159	63.15	131	45.019	259	82.26	145	3.677	120	66.72	71
18.1	39.352	115	30.88	111	11.070	143	61.84	149	44.760	234	80.81	187	3.557	109	66.01	67
28.1	39.237	95	29.77	112	10.927	118	60.35	161	44.526	201	78.94	228	3.448	92	65.34	60
Sept. 7.1	39.142	67	28.65	109	10.809	86	58.74	168	44.325	160	76.66	263	3.356	67	64.74	49
17.1	39.075	33	27.56	100	10.723	45	57.06	167	44.165	111	74.03	294	3.289	35	64.25	34
27.0	39.042	8	26.56	86	10.678	2	55.39	158	44.054	55	71.09	321	3.254	1	63.91	16
Okt. 7.0	39.050	54	25.70	65	10.680	56	53.81	142	43.999	8	67.88	341	3.255	44	63.75	7
17.0	39.104	103	25.05	40	10.736	111	52.39	118	44.007	76	64.47	353	3.299	90	63.82	32
27.0	39.207	153	24.65	10	10.847	169	51.21	89	44.083	146	60.94	358	3.389	137	64.14	60
Nov. 5.9	39.360	203	24.55	23	11.016	225	50.32	53	44.229	217	57.36	354	3.526	184	64.74	88
15.9	39.563	248	24.78	57	11.241	275	49.79	13	44.446	284	53.82	341	3.710	228	65.62	116
25.9	39.811	286	25.35	91	11.516	317	49.66	29	44.730	348	50.41	319	3.938	265	66.78	142
Dez. 5.8	40.097	316	26.26	124	11.833	351	49.95	71	45.078	400	47.22	285	4.203	296	68.20	163
15.8	40.413	337	27.50	153	12.184	373	50.66	111	45.478	442	44.37	244	4.499	317	69.83	182
25.8	40.750	345	29.03	176	12.557	382	51.77	148	45.920	468	41.93	194	4.816	327	71.65	193
35.8	41.095		30.79		12.939		53.25		46.388		39.99		5.143		73.58	
Mittl. Ort	37.387		18.80		8.954		45.72		44.875		75.27		1.713		57.88	
sec δ, tg δ	1.084		−0.419		1.241		−0.734		1.758		+1.446		1.018		−0.190	

Mittlere Zeit Greenw.	499) Gr. 2001 AR.	Δ	499) Dekl.	Δ	500) 69 H. Urs. maj. AR.	Δ	500) Dekl.	Δ	501) ζ Virginis AR.	Δ	501) Dekl.	Δ	502) 17 H. Can. ven. AR.	Δ	502) Dekl.	Δ
1921	13h 24m		+72° 47′		13h 25m		+60° 20′		13h 30m		−0° 11′		13h 31m		+37° 34′	
Jan. 0.8	4.80s	81	44.89″	128	32.26s	52	53.79″	156	40.283s	322	34.96″	201	16.001s	370	58.35″	195
10.8	5.61	83	43.61	63	32.78	54	52.23	94	40.605	319	36.97	191	16.371	371	56.40	147
20.7	6.44	80	42.98	4	33.32	52	51.29	29	40.924	305	38.88	174	16.742	359	54.93	94
30.7	7.24	77	43.02	70	33.84	48	51.00	35	41.229	284	40.62	152	17.101	337	53.99	40
Feb. 9.7	8.01	69	43.72	134	34.32	44	51.35	98	41.513	255	42.14	126	17.438	304	53.59	15
19.6	8.70	59	45.06	189	34.76	38	52.33	155	41.768	224	43.40	98	17.742	266	53.74	67
März 1.6	9.29	48	46.95	237	35.14	31	53.88	204	41.992	189	44.38	68	18.008	222	54.41	116
11.6	9.77	36	49.32	275	35.45	24	55.92	244	42.181	153	45.06	39	18.230	175	55.57	156
21.6	10.13	22	52.07	301	35.69	16	58.36	274	42.334	119	45.45	14	18.405	128	57.13	189
31.5	10.35	9	55.08	314	35.85	8	61.10	293	42.453	85	45.59	10	18.533	82	59.02	214
Apr. 10.5	10.44	5	58.22	316	35.93	0	64.03	298	42.538	54	45.49	31	18.615	38	61.16	228
20.5	10.39	16	61.38	306	35.93	6	67.01	294	42.592	26	45.18	47	18.653	2	63.44	234
30.5	10.23	28	64.44	286	35.87	13	69.95	280	42.618	1	44.71	59	18.651	39	65.78	231
Mai 10.4	9.95	38	67.30	255	35.74	19	72.75	255	42.617	24	44.12	69	18.612	72	68.09	219
20.4	9.57	46	69.85	218	35.55	24	75.30	223	42.593	46	43.43	75	18.540	100	70.28	201
30.4	9.11	54	72.03	174	35.31	28	77.53	184	42.547	65	42.68	77	18.440	125	72.29	175
Juni 9.3	8.57	58	73.77	124	35.03	30	79.37	140	42.482	82	41.91	78	18.315	145	74.04	147
19.3	7.99	62	75.01	73	34.73	33	80.77	94	42.400	96	41.13	76	18.170	161	75.51	113
29.3	7.37	65	75.74	19	34.40	35	81.71	43	42.304	109	40.37	72	18.009	173	76.64	76
Juli 9.3	6.72	64	75.93	35	34.05	34	82.14	7	42.195	119	39.65	67	17.836	181	77.40	39
19.2	6.08	64	75.58	88	33.71	35	82.07	57	42.076	127	38.98	60	17.655	184	77.79	1
29.2	5.44	61	74.70	139	33.36	33	81.50	106	41.949	126	38.38	51	17.471	182	77.78	40
Aug. 8.2	4.83	57	73.31	187	33.03	32	80.44	154	41.823	122	37.87	40	17.289	174	77.38	79
18.2	4.26	52	71.44	233	32.71	29	78.90	198	41.701	113	37.47	27	17.115	160	76.59	117
28.1	3.74	44	69.11	272	32.42	24	76.92	239	41.588	97	37.20	13	16.955	139	75.42	154
Sept. 7.1	3.30	37	66.39	308	32.18	21	74.53	276	41.491	74	37.07	5	16.816	112	73.88	188
17.1	2.93	28	63.31	336	31.97	14	71.77	307	41.417	46	37.12	24	16.704	77	72.00	221
27.0	2.65	17	59.95	359	31.83	9	68.70	333	41.371	10	37.36	47	16.627	36	69.79	249
Okt. 7.0	2.48	5	56.36	374	31.74	1	65.37	352	41.361	31	37.83	70	16.591	11	67.30	275
17.0	2.43	7	52.62	380	31.73	7	61.85	364	41.392	75	38.53	95	16.602	63	64.55	294
27.0	2.50	19	48.82	379	31.80	14	58.21	368	41.467	122	39.48	120	16.665	117	61.61	308
Nov. 5.9	2.69	32	45.03	368	31.94	23	54.53	362	41.589	169	40.68	145	16.782	171	58.53	315
15.9	3.01	44	41.35	346	32.17	30	50.91	348	41.758	212	42.13	166	16.953	225	55.38	314
25.9	3.45	56	37.89	315	32.47	37	47.43	322	41.970	251	43.79	185	17.178	272	52.24	304
Dez. 5.9	4.01	66	34.74	274	32.84	44	44.21	288	42.221	283	45.64	197	17.450	313	49.20	286
15.8	4.67	74	32.00	225	33.28	48	41.33	244	42.504	306	47.61	205	17.763	344	46.34	258
25.8	5.41	80	29.75	167	33.76	52	38.89	192	42.810	318	49.66	205	18.107	364	43.76	221
35.8	6.21		28.08		34.28		36.97		43.128		51.71		18.471		41.55	
Mittl. Ort	7.08		65.21		33.28		72.59		39.974		33.05		16.252		72.11	
sec δ, tg δ	3.382		+3.231		2.022		+1.757		1.000		−0.003		1.262		+0.770	

Mittlere Zeit Greenw.	504) ε Centauri				507) τ Bootis				509) η Ursae maj.				510) 89 Virginis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	13h 34m		−53° 3′		13h 43m		+17° 50′		13h 44m		+49° 41′		13h 45m		−17° 44′	
	s		″		s		″		s		″		s		″	
Jan. 0.8	53.133	489	40.69	114	30.495	326	52.34	210	25.094	422	69.69	194	34.943	337	23.50	177
10.8	53.622	482	41.83	157	30.821	326	50.24	180	25.516	428	67.75	137	35.280	335	25.27	185
20.7	54.104	462	43.40	195	31.147	317	48.44	146	25.944	421	66.38	78	35.615	322	27.12	189
30.7	54.566	430	45.35	227	31.464	297	46.98	105	26.365	400	65.60	15	35.937	303	29.01	186
Feb. 9.7	54.996	391	47.62	251	31.761	271	45.93	64	26.765	367	65.45	45	36.240	276	30.87	177
19.7	55.387	345	50.13	270	32.032	240	45.29	21	27.132	323	65.90	103	36.516	244	32.64	165
März 1.6	55.732	295	52.83	281	32.272	204	45.08	20	27.455	273	66.93	155	36.760	212	34.29	149
11.6	56.027	242	55.64	286	32.476	167	45.28	56	27.728	218	68.48	200	36.972	176	35.78	131
21.6	56.269	190	58.50	284	32.643	131	45.84	90	27.946	161	70.48	235	37.148	142	37.09	112
31.5	56.459	138	61.34	278	32.774	94	46.74	116	28.107	103	72.83	259	37.290	109	38.21	92
Apr. 10.5	56.597	88	64.12	266	32.868	59	47.90	135	28.210	47	75.42	274	37.399	77	39.13	74
20.5	56.685	39	66.78	249	32.927	28	49.25	149	28.257	6	78.16	277	37.476	47	39.87	55
30.5	56.724	8	69.27	228	32.955	1	50.74	155	28.251	54	80.93	271	37.523	19	40.42	39
Mai 10.4	56.716	53	71.55	202	32.954	28	52.29	156	28.197	98	83.64	256	37.542	7	40.81	22
20.4	56.663	95	73.57	173	32.926	52	53.85	151	28.099	136	86.20	231	37.535	32	41.03	7
30.4	56.568	133	75.30	140	32.874	74	55.36	140	27.963	171	88.51	200	37.503	55	41.10	7
Juni 9.4	56.435	169	76.70	104	32.800	93	56.76	126	27.792	198	90.51	164	37.448	76	41.03	21
19.3	56.266	201	77.74	66	32.707	110	58.02	109	27.594	220	92.15	124	37.372	95	40.82	34
29.3	56.065	225	78.40	25	32.597	123	59.11	88	27.374	237	93.39	80	37.277	112	40.48	46
Juli 9.3	55.840	244	78.65	16	32.474	134	59.99	66	27.137	248	94.19	34	37.165	125	40.02	57
19.2	55.596	255	78.49	57	32.340	140	60.65	41	26.889	253	94.53	12	37.040	134	39.45	66
29.2	55.341	256	77.92	96	32.200	143	61.06	17	26.636	250	94.41	58	36.906	139	38.79	75
Aug. 8.2	55.085	248	76.96	133	32.057	140	61.23	10	26.386	241	93.83	104	36.767	137	38.04	81
18.2	54.837	228	75.63	166	31.917	131	61.13	37	26.145	225	92.79	148	36.630	129	37.23	83
28.1	54.609	196	73.97	194	31.786	117	60.76	65	25.920	200	91.31	189	36.501	114	36.40	83
Sept. 7.1	54.413	154	72.03	214	31.669	94	60.11	92	25.720	169	89.42	228	36.387	90	35.57	78
17.1	54.259	101	69.89	227	31.575	67	59.19	120	25.551	128	87.14	262	36.297	61	34.79	70
27.1	54.158	37	67.62	230	31.508	31	57.99	148	25.423	79	84.52	292	36.236	24	34.09	56
Okt. 7.0	54.121	33	65.32	224	31.477	10	56.51	173	25.344	25	81.60	318	36.212	21	33.53	37
17.0	54.154	109	63.08	209	31.487	54	54.78	198	25.319	36	78.42	336	36.233	68	33.16	15
27.0	54.263	184	60.99	183	31.541	103	52.80	219	25.355	100	75.06	347	36.301	118	33.01	11
Nov. 5.9	54.447	259	59.16	151	31.644	151	50.61	237	25.455	165	71.59	351	36.419	168	33.12	40
15.9	54.706	326	57.65	109	31.795	198	48.24	248	25.620	229	68.08	345	36.587	214	33.52	70
25.9	55.032	385	56.56	64	31.993	240	45.76	254	25.849	288	64.63	329	36.801	257	34.22	99
Dez. 5.9	55.417	432	55.92	15	32.233	276	43.22	253	26.137	341	61.34	304	37.058	292	35.21	126
15.8	55.849	464	55.77	35	32.509	303	40.69	243	26.478	382	58.30	269	37.350	316	36.47	150
25.8	56.313	481	56.12	85	32.812	320	38.26	225	26.860	412	55.61	224	37.666	331	37.97	168
35.8	56.794		56.97		33.132		36.01		27.272		53.37		37.997		39.65	
Mittl. Ort	52.257		55.29		30.479		59.74		25.802		85.51		34.545		28.15	
sec δ, tg δ	1.664		−1.330		1.051		+0.322		1.546		+1.180		1.050		−0.320	

Mittlere Zeit Greenw.	512) ζ Centauri AR.		512) ζ Centauri Dekl.		513) η Bootis AR.		513) η Bootis Dekl.	
	$13^h 50^m$		$-46° 53'$		$13^h 50^m$		$+18° 47'$	
1921	s		"		s		"	
Jan. 0.8	36.756	440	47.10	110	55.352	326	28.10	214
10.8	37.196	438	48.20	148	55.678	328	25.96	184
20.8	37.634	423	49.68	182	56.006	319	24.12	148
30.7	38.057	399	51.50	208	56.325	302	22.64	107
Feb. 9.7	38.456	366	53.58	229	56.627	277	21.57	64
19.7	38.822	327	55.87	245	56.904	246	20.93	20
März 1.6	39.149	285	58.32	252	57.150	212	20.73	20
11.6	39.434	240	60.84	255	57.362	175	20.93	60
21.6	39.674	195	63.39	253	57.537	139	21.53	92
31.6	39.869	150	65.92	246	57.676	102	22.45	120
Apr. 10.5	40.019	106	68.38	234	57.778	68	23.65	141
20.5	40.125	63	70.72	219	57.846	35	25.06	154
30.5	40.188	22	72.91	201	57.881	6	26.60	161
Mai 10.5	40.210	18	74.92	177	57.887	22	28.21	162
20.4	40.192	56	76.69	152	57.865	47	29.83	156
30.4	40.136	91	78.21	124	57.818	70	31.39	145
Juni 9.4	40.045	126	79.45	93	57.748	90	32.84	131
19.3	39.919	155	80.38	59	57.658	108	34.15	113
29.3	39.764	181	80.97	24	57.550	122	35.28	92
Juli 9.3	39.583	201	81.21	11	57.428	135	36.20	68
19.3	39.382	215	81.10	48	57.293	142	36.88	43
29.2	39.167	221	80.62	83	57.151	146	37.31	17
Aug. 8.2	38.946	217	79.79	114	57.005	143	37.48	11
18.2	38.729	205	78.65	144	56.862	137	37.37	38
28.1	38.524	182	77.21	169	56.725	122	36.99	67
Sept. 7.1	38.342	147	75.52	187	56.603	101	36.32	96
17.1	38.195	103	73.65	198	56.502	74	35.36	124
27.1	38.092	49	71.67	201	56.428	39	34.12	152
Okt. 7.0	38.043	12	69.66	196	56.389	2	32.60	178
17.0	38.055	78	67.70	181	56.391	47	30.82	203
27.0	38.133	147	65.89	160	56.438	95	28.79	224
Nov. 6.0	38.280	214	64.29	128	56.533	145	26.55	242
15.9	38.494	278	63.01	91	56.678	192	24.13	254
25.9	38.772	333	62.10	50	56.870	234	21.59	259
Dez. 5.9	39.105	378	61.60	5	57.104	272	19.00	258
15.8	39.483	412	61.55	40	57.376	301	16.42	247
25.8	39.895	431	61.95	84	57.677	319	13.95	230
35.8	40.326		62.79		57.996		11.65	
Mittl. Ort	36.104		60.56		55.393		35.43	
sec δ, tg δ	1.464		—1.069		1.056		+0.340	

Mittlere Zeit Greenw.	517) 11 Bootis AR.		517) 11 Bootis Dekl.		516) τ Virginis AR.		516) τ Virginis Dekl.	
	$13^h 57^m$		$+27° 45'$		$13^h 57^m$		$+1° 55'$	
1921	s		"		s		"	
Jan. 0.8	35.375	337	53.61	218	37.613	318	32.72	202
10.8	35.712	342	51.43	179	37.931	319	30.70	189
20.8	36.054	335	49.64	134	38.250	311	28.81	170
30.7	36.389	319	48.30	87	38.561	294	27.11	147
Feb. 9.7	36.708	294	47.43	36	38.855	271	25.64	119
19.7	37.002	263	47.07	13	39.126	243	24.45	88
März 1.6	37.265	227	47.20	60	39.369	210	23.57	58
11.6	37.492	188	47.80	102	39.579	178	22.99	27
21.6	37.680	149	48.82	138	39.757	145	22.72	1
31.6	37.829	110	50.20	167	39.902	111	22.73	26
Apr. 10.5	37.939	72	51.87	188	40.013	81	22.99	47
20.5	38.011	36	53.75	200	40.094	51	23.46	64
30.5	38.047	3	55.75	205	40.145	24	24.10	76
Mai 10.5	38.050	28	57.80	201	40.169	2	24.86	84
20.4	38.022	55	59.81	191	40.167	26	25.70	89
30.4	37.967	82	61.72	175	40.141	49	26.59	90
Juni 9.4	37.885	103	63.47	154	40.092	69	27.49	89
19.3	37.782	124	65.01	129	40.023	88	28.38	84
29.3	37.658	139	66.30	100	39.935	105	29.22	78
Juli 9.3	37.519	153	67.30	70	39.830	118	30.00	70
19.3	37.366	161	68.00	37	39.712	128	30.70	60
29.2	37.205	165	68.37	3	39.584	133	31.30	49
Aug. 8.2	37.040	163	68.40	30	39.451	134	31.79	36
18.2	36.877	155	68.10	65	39.317	128	32.15	21
28.1	36.722	141	67.45	99	39.189	116	32.36	5
Sept. 7.1	36.581	120	66.46	133	39.073	96	32.41	14
17.1	36.461	90	65.13	164	38.977	69	32.27	34
27.1	36.371	55	63.49	194	38.908	37	31.93	56
Okt. 7.0	36.316	13	61.55	222	38.871	4	31.37	80
17.0	36.303	35	59.33	247	38.875	48	30.57	104
27.0	36.338	85	56.86	266	38.923	95	29.53	129
Nov. 6.0	36.423	137	54.20	281	39.018	143	28.24	151
15.9	36.560	187	51.39	289	39.161	189	26.73	173
25.9	36.747	234	48.50	289	39.350	231	25.00	189
Dez. 5.9	36.981	274	45.61	281	39.581	266	23.11	202
15.8	37.255	306	42.80	263	39.847	294	21.09	207
25.8	37.561	329	40.17	238	40.141	311	19.02	206
35.8	37.890		37.79		40.452		16.96	
Mittl. Ort	35.604		63.27		37.480		34.26	
sec δ, tg δ	1.130		+0.527		1.001		+0.034	

Mittlere Zeit Greenw.	518) β Centauri AR.	Diff.	Dekl.	Diff.	520) ϑ Centauri AR.	Diff.	Dekl.	Diff.	521) α Draconis AR.	Diff.	Dekl.	Diff.	522) d Bootis AR.	Diff.	Dekl	Diff.
1921	$13^h 58^m$		$-59° 59'$		$14^h 2^m$		$-35° 58'$		$14^h 2^m$		$+64° 44'$		$14^h 6^m$		$+25° 27'$	
Jan. 0.8	14.805	568	17.33	65	2.039	381	44.52	127	13.14	57	54.08	192	47.561	330	46.54	221
10.8	15.373	569	17.98	114	2.420	382	45.79	155	13.71	59	52.16	129	47.891	336	44.33	186
20.8	15.942	555	19.12	158	2.802	372	47.34	178	14.30	59	50.87	64	48.227	331	42.47	144
30.7	16.497	526	20.70	197	3.174	352	49.12	195	14.89	58	50.23	3	48.558	317	41.03	98
Feb. 9.7	17.023	487	22.67	230	3.526	325	51.07	206	15.47	53	50.26	68	48.875	294	40.05	49
19.7	17.510	439	24.97	256	3.851	294	53.13	212	16.00	48	50.94	131	49.169	265	39.56	1
März 1.7	17.949	385	27.53	276	4.145	257	55.25	212	16.48	42	52.25	187	49.434	231	39.55	46
11.6	18.334	328	30.29	288	4.402	221	57.37	208	16.90	34	54.12	234	49.665	195	40.01	89
21.6	18.662	267	33.17	295	4.623	182	59.45	200	17.24	25	56.46	270	49.860	156	40.90	125
31.6	18.929	207	36.12	295	4.805	145	61.45	190	17.49	16	59.16	296	50.016	120	42.15	155
Apr. 10.5	19.136	146	39.07	290	4.950	108	63.35	177	17.65	7	62.12	310	50.136	82	43.70	177
20.5	19.282	86	41.97	278	5.058	72	65.12	161	17.72	1	65.22	312	50.218	48	45.47	191
30.5	19.368	26	44.75	262	5.130	38	66.73	144	17.71	10	68.34	304	50.266	15	47.38	197
Mai 10.5	19.394	32	47.37	241	5.168	5	68.17	124	17.61	16	71.38	284	50.281	16	49.35	196
20.4	19.362	88	49.78	214	5.173	27	69.41	104	17.45	24	74.22	257	50.265	44	51.31	188
30.4	19.274	141	51.92	182	5.146	58	70.45	81	17.21	30	76.79	222	50.221	70	53.19	175
Juni 9.4	19.133	190	53.74	148	5.088	87	71.26	56	16.91	34	79.01	180	50.151	94	54.94	155
19.4	18.943	235	55.22	108	5.001	113	71.82	32	16.57	38	80.81	133	50.057	114	56.49	132
29.3	18.708	271	56.30	67	4.888	138	72.14	5	16.19	41	82.14	84	49.943	132	57.81	106
Juli 9.3	18.437	302	56.97	23	4.750	156	72.19	21	15.78	43	82.98	33	49.811	147	58.87	77
19.3	18.135	321	57.20	22	4.594	171	71.98	48	15.35	44	83.31	20	49.664	156	59.64	46
29.2	17.814	329	56.98	67	4.423	179	71.50	73	14.91	43	83.11	71	49.508	163	60.10	14
Aug. 8.2	17.485	325	56.31	110	4.244	179	70.77	96	14.48	43	82.40	123	49.345	162	60.24	19
18.2	17.160	308	55.21	150	4.065	172	69.81	117	14.05	40	81.17	170	49.183	157	60.05	52
28.2	16.852	274	53.71	184	3.893	155	68.64	132	13.65	37	79.47	216	49.026	143	59.53	86
Sept. 7.1	16.578	228	51.87	214	3.738	129	67.32	144	13.28	32	77.31	257	48.883	124	58.67	118
17.1	16.350	168	49.73	235	3.609	94	65.88	150	12.96	26	74.74	293	48.759	97	57.49	149
27.1	16.182	95	47.38	247	3.515	51	64.38	148	12.70	19	71.81	325	48.662	62	56.00	180
Okt. 7.1	16.087	12	44.91	250	3.464	1	62.90	139	12.51	12	68.56	349	48.600	20	54.20	209
17.0	16.075	77	42.41	242	3.465	57	61.51	123	12.39	2	65.07	367	48.580	25	52.11	233
27.0	16.152	169	39.99	224	3.522	115	60.28	101	12.37	6	61.40	376	48.605	75	49.78	255
Nov. 6.0	16.321	259	37.75	196	3.637	175	59.27	73	12.43	16	57.64	377	48.680	127	47.23	271
15.9	16.580	343	35.79	160	3.812	230	58.54	39	12.59	25	53.87	366	48.807	177	44.52	281
25.9	16.923	418	34.19	117	4.042	281	58.15	3	12.84	34	50.21	347	48.984	224	41.71	284
Dez. 5.9	17.341	480	33.02	69	4.323	322	58.12	36	13.18	42	46.74	317	49.208	265	38.87	278
15.9	17.821	525	32.33	18	4.645	353	58.48	72	13.60	50	43.57	276	49.473	297	36.09	264
25.8	18.346	555	32.15	34	4.998	372	59.20	107	14.10	54	40.81	227	49.770	321	33.45	240
35.8	18.901		32.49		5.370		60.27		14.64		38.54		50.091		31.05	
Mittl. Ort	14.060		33.80		1.580		55.29		14.97		71.18		47.804		55.06	
sec δ, tg δ	1.999		−1.731		1.236		−0.726		2.345		+2.121		1.108		+0.476	

Mittlere Zeit Greenw.	523) κ Virginis				524) 4 Ursae min.				525) ι Virginis				526) α Bootis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	$14^h 8^m$		$-9° 54'$		$14^h 8^m$		$+77° 54'$		$14^h 11^m$		$-5° 37'$		$14^h 12^m$		$+19° 35'$	
Jan. 0.8	40.922	323	21.16	180	63.14	103	49.83	175	52.284	318	25.69	189	3.274	319	28.67	226
10.8	41.245	326	22.96	181	64.17	109	48.08	112	52.602	322	27.58	185	3.593	325	26.41	196
20.8	41.571	317	24.77	175	65.26	112	46.96	45	52.924	315	29.43	174	3.918	320	24.45	160
30.7	41.888	303	26.52	165	66.38	109	46.51	23	53.239	301	31.17	160	4.238	307	22.85	118
Feb. 9.7	42.191	281	28.17	149	67.47	104	46.74	89	53.540	279	32.77	139	4.545	286	21.67	75
19.7	42.472	253	29.66	129	68.51	93	47.63	151	53.819	253	34.16	116	4.831	258	20.92	30
März 1.7	42.725	223	30.95	108	69.44	81	49.14	207	54.072	223	35.32	90	5.089	226	20.62	15
11.6	42.948	192	32.03	85	70.25	66	51.21	252	54.295	192	36.22	65	5.315	192	20.77	54
21.6	43.140	159	32.88	62	70.91	48	53.73	286	54.487	159	36.87	40	5.507	157	21.31	90
31.6	43.299	128	33.50	41	71.39	29	56.59	311	54.646	129	37.27	17	5.664	122	22.21	119
Apr. 10.6	43.427	97	33.91	22	71.68	11	59.70	322	54.775	98	37.44	3	5.786	87	23.40	143
20.5	43.524	68	34.13	4	71.79	7	62.92	321	54.873	69	37.41	20	5.873	54	24.83	157
30.5	43.592	40	34.17	10	71.72	25	66.13	309	54.942	40	37.21	35	5.927	23	26.40	167
Mai 10.5	43.632	13	34.07	23	71.47	42	69.22	288	54.982	15	36.86	45	5.950	6	28.07	168
20.4	43.645	13	33.84	34	71.05	56	72.10	256	54.997	12	36.41	54	5.944	33	29.75	164
30.4	43.632	37	33.50	41	70.49	68	74.66	218	54.985	35	35.87	60	5.911	59	31.39	154
Juni 9.4	43.595	60	33.09	48	69.81	80	76.84	173	54.950	59	35.27	63	5.852	82	32.93	140
19.4	43.535	81	32.61	54	69.01	88	78.57	124	54.891	80	34.64	65	5.770	103	34.33	121
29.3	43.454	101	32.07	58	68.13	94	79.81	72	54.811	98	33.99	65	5.667	121	35.54	99
Juli 9.3	43.353	116	31.49	60	67.19	97	80.53	18	54.713	115	33.34	63	5.546	136	36.53	75
19.3	43.237	129	30.89	62	66.22	100	80.71	37	54.598	128	32.71	61	5.410	148	37.28	49
29.3	43.108	137	30.27	62	65.22	98	80.34	89	54.470	136	32.10	56	5.262	155	37.77	22
Aug. 8.2	42.971	139	29.65	60	64.24	96	79.45	140	54.334	138	31.54	51	5.107	156	37.99	7
18.2	42.832	135	29.05	56	63.28	90	78.05	190	54.196	136	31.03	43	4.951	152	37.92	36
28.2	42.697	124	28.49	49	62.38	83	76.15	234	54.060	125	30.60	32	4.799	140	37.56	66
Sept. 7.1	42.573	105	28.00	40	61.55	73	73.81	274	53.935	106	30.28	20	4.659	122	36.90	96
17.1	42.468	78	27.60	28	60.82	62	71.07	310	53.829	81	30.08	4	4.537	96	35.94	125
27.1	42.390	45	27.32	12	60.20	48	67.97	339	53.748	48	30.04	13	4.441	64	34.69	154
Okt. 7.1	42.345	4	27.20	8	59.72	33	64.58	361	53.700	8	30.17	35	4.377	23	33.15	182
17.0	42.341	42	27.28	30	59.39	17	60.97	376	53.692	37	30.52	57	4.354	22	31.33	207
27.0	42.383	90	27.58	54	59.22	1	57.21	382	53.729	84	31.09	81	4.376	70	29.26	231
Nov. 6.0	42.473	139	28.12	79	59.23	20	53.39	378	53.813	134	31.90	106	4.446	120	26.95	249
16.0	42.612	187	28.91	105	59.43	38	49.61	366	53.947	181	32.96	130	4.566	169	24.46	262
25.9	42.799	231	29.96	129	59.81	56	45.95	342	54.128	224	34.26	151	4.735	215	21.84	268
Dez. 5.9	43.030	267	31.25	149	60.37	72	42.53	308	54.352	262	35.77	169	4.950	254	19.16	268
15.9	43.297	296	32.74	166	61.09	87	39.45	264	54.614	290	37.46	181	5.204	287	16.48	259
25.8	43.593	315	34.40	177	61.96	98	36.81	213	54.904	309	39.27	188	5.491	309	13.89	241
35.8	43.908		36.17		62.94		34.68		55.213		41.15		5.800		11.48	
Mittl. Ort	40.731		23.97		67.89		67.51		52.151		27.21		3.450		35.18	
sec δ, tg δ	1.015		−0.175		4.778		+4.672		1.005		−0.099		1.061		+0.356	

Mittlere Zeit Greenw.	527) λ Bootis				531) ϑ Bootis				534) ρ Bootis				535) γ Bootis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	14h 13m		+46° 26′		14h 22m		+52° 12′		14h 28m		+30° 42′		14h 28m		+38° 38′	
Jan. 0.8	22.080	389	48.47	223	29.336	416	41.54	229	25.067	330	54.44	234	53.180	349	60.85	237
10.8	22.469	402	46.24	171	29.752	434	39.25	174	25.397	342	52.10	196	53.529	364	58.48	192
20.8	22.871	402	44.53	114	30.186	439	37.51	114	25.739	342	50.14	150	53.893	365	56.56	140
30.7	23.273	389	43.39	53	30.625	429	36.37	51	26.081	332	48.64	100	54.258	356	55.16	84
Feb. 9.7	23.662	364	42.86	9	31.054	405	35.86	13	26.413	313	47.64	46	54.614	337	54.32	27
19.7	24.026	331	42.95	68	31.459	370	35.99	76	26.726	287	47.18	6	54.951	309	54.05	32
März 1.7	24.357	288	43.63	123	31.829	327	36.75	133	27.013	256	47.24	58	55.260	275	54.37	86
11.6	24.645	242	44.86	173	32.156	275	38.08	184	27.269	220	47.82	104	55.535	236	55.23	135
21.6	24.887	191	46.59	213	32.431	219	39.92	227	27.489	182	48.86	145	55.771	193	56.58	177
31.6	25.078	140	48.72	244	32.650	162	42.19	258	27.671	144	50.31	178	55.964	151	58.35	212
Apr. 10.6	25.218	88	51.16	265	32.812	103	44.77	281	27.815	105	52.09	202	56.115	106	60.47	236
20.5	25.306	39	53.81	275	32.915	46	47.58	291	27.920	68	54.11	219	56.221	65	62.83	251
30.5	25.345	9	56.56	276	32.961	9	50.49	291	27.988	31	56.30	227	56.286	23	65.34	256
Mai 10.5	25.336	52	59.32	266	32.952	60	53.40	281	28.019	2	58.57	225	56.309	16	67.90	253
20.4	25.284	92	61.98	248	32.892	108	56.21	263	28.017	35	60.82	218	56.293	51	70.43	241
30.4	25.192	129	64.46	223	32.784	151	58.84	235	27.982	65	63.00	202	56.242	86	72.84	222
Juni 9.4	25.063	160	66.69	191	32.633	188	61.19	202	27.917	92	65.02	181	56.156	115	75.06	196
19.4	24.903	188	68.60	155	32.445	221	63.21	163	27.825	118	66.83	155	56.041	143	77.02	165
29.3	24.715	210	70.15	114	32.224	247	64.84	120	27.707	140	68.38	126	55.898	167	78.67	130
Juli 9.3	24.505	228	71.29	71	31.977	269	66.04	75	27.567	157	69.64	93	55.731	185	79.97	92
19.3	24.277	238	72.00	26	31.708	282	66.79	26	27.410	172	70.57	58	55.546	200	80.89	52
29.3	24.039	244	72.26	19	31.426	289	67.05	22	27.238	181	71.15	21	55.346	209	81.41	10
Aug. 8.2	23.795	242	72.07	65	31.137	288	66.83	70	27.057	184	71.36	15	55.137	212	81.51	32
18.2	23.553	233	71.42	110	30.849	278	66.13	117	26.873	181	71.21	53	54.925	207	81.19	74
28.2	23.320	215	70.32	153	30.571	260	64.96	163	26.692	171	70.68	90	54.718	195	80.45	115
Sept. 7.1	23.105	190	68.79	194	30.311	233	63.33	206	26.521	152	69.78	127	54.523	175	79.30	155
17.1	22.915	155	66.85	232	30.078	195	61.27	245	26.369	127	68.51	161	54.348	147	77.75	193
• 27.1	22.760	113	64.53	265	29.883	149	58.82	280	26.242	93	66.90	195	54.201	110	75.82	228
Okt. 7.1	22.647	63	61.88	295	29.734	95	56.02	311	26.149	52	64.95	225	54.091	67	73.54	258
17.0	22.584	6	58.93	319	29.639	33	52.91	335	26.097	4	62.70	253	54.024	15	70.96	286
27.0	22.578	54	55.74	336	29.606	34	49.56	352	26.093	46	60.17	275	54.009	39	68.10	307
Nov. 6.0	22.632	119	52.38	346	29.640	105	46.04	361	26.139	101	57.42	291	54.048	98	65.03	322
16.0	22.751	182	48.92	346	29.745	175	42.43	361	26.240	155	54.51	302	54.146	155	61.81	328
25.9	22.933	241	45.46	338	29.920	242	38.82	351	26.395	204	51.49	303	54.301	211	58.53	326
Dez. 5.9	23.174	296	42.08	319	30.162	304	35.31	331	26.599	251	48.46	297	54.512	261	55.27	315
15.9	23.470	340	38.89	290	30.466	357	32.00	299	26.850	289	45.49	281	54.773	302	52.12	293
25.8	23.810	374	35.99	252	30.823	397	29.01	259	27.139	317	42.68	256	55.075	335	49.19	261
35.8	24.184		33.47		31.220		26.42		27.456		40.12		55.410		46.58	
Mittl. Ort	22.901		61.81		30.476		55.37		25.541		63.15		53.854		71.48	
sec δ, tg δ	1.451		+1.052		1.632		+1.290		1.163		+0.594		1.281		+0.800	

Mittlere Zeit Greenw.	537) η Centauri AR.		537) η Centauri Dekl.		538) α Centauri*) AR.		538) α Centauri*) Dekl.		543) ζ Bootis med. AR.		543) ζ Bootis med. Dekl.		542) α Apodis AR.		542) α Apodis Dekl.	
1921	14h 30m		−41° 48′		14h 34m		−60° 30′		14h 37m		+14° 3′		14h 37m		−78° 42′	
Jan. 0.8	29.279	402	29.13	80	14.27	56	14.99	24	22.304	307	55.46	221	58.49	128	20.85	45
10.8	29.681	409	29.93	113	14.83	57	15.23	71	22.611	317	53.25	197	59.77	132	20.40	11
20.8	30.090	405	31.06	142	15.40	57	15.94	116	22.928	317	51.28	167	61.09	133	20.51	68
30.8	30.495	391	32.48	166	15.97	54	17.10	157	23.245	308	49.61	132	62.42	131	21.19	119
Feb. 9.7	30.886	369	34.14	185	16.51	52	18.67	192	23.553	291	48.29	92	63.73	125	22.38	168
19.7	31.255	339	35.99	197	17.03	47	20.59	220	23.844	269	47.37	51	64.98	117	24.06	212
März 1.7	31.594	307	37.96	206	17.50	42	22.79	244	24.113	241	46.86	10	66.15	107	26.18	248
11.6	31.901	271	40.02	209	17.92	37	25.23	260	24.354	212	46.76	30	67.22	95	28.66	279
21.6	32.172	232	42.11	208	18.29	32	27.83	272	24.566	180	47.06	65	68.17	80	31.45	302
31.6	32.404	194	44.19	204	18.61	25	30.55	276	24.746	147	47.71	96	68.97	66	34.47	320
Apr. 10.6	32.598	155	46.23	196	18.86	20	33.31	276	24.893	116	48.67	120	69.63	51	37.67	329
20.5	32.753	116	48.19	186	19.06	13	36.07	271	25.009	85	49.87	139	70.14	35	40.96	333
30.5	32.869	78	50.05	173	19.19	7	38.78	259	25.094	54	51.26	150	70.49	17	44.29	328
Mai 10.5	32.947	39	51.78	156	19.26	1	41.37	243	25.148	25	52.76	156	70.66	1	47.57	317
20.4	32.986	1	53.34	138	19.27	6	43.80	222	25.173	4	54.32	157	70.67	16	50.74	299
30.4	32.987	37	54.72	117	19.21	11	46.02	195	25.169	31	55.89	151	70.51	32	53.73	273
Juni 9.4	32.950	72	55.89	93	19.10	16	47.97	165	25.138	56	57.40	140	70.19	47	56.46	242
19.4	32.878	107	56.82	67	18.94	22	49.62	131	25.082	81	58.80	127	69.72	61	58.88	204
29.3	32.771	137	57.49	40	18.72	27	50.93	92	25.001	103	60.07	111	69.11	74	60.92	160
Juli 9.3	32.634	165	57.89	11	18.45	31	51.85	52	24.898	122	61.18	90	68.37	84	62.52	113
19.3	32.469	186	58.00	19	18.14	33	52.37	9	24.776	137	62.08	69	67.53	91	63.65	61
29.3	32.283	200	57.81	49	17.81	35	52.46	36	24.639	149	62.77	46	66.62	96	64.26	7
Aug. 8.2	32.083	207	57.32	78	17.46	36	52.10	79	24.490	155	63.23	21	65.66	96	64.33	47
18.2	31.876	204	56.54	104	17.10	34	51.31	120	24.335	155	63.44	4	64.70	95	63.86	101
28.2	31.672	192	55.50	128	16.76	33	50.11	157	24.180	147	63.40	31	63.75	88	62.85	152
Sept. 7.1	31.480	168	54.22	147	16.43	28	48.54	191	24.033	133	63.09	57	62.87	79	61.33	199
17.1	31.312	133	52.75	159	16.15	22	46.63	217	23.900	110	62.52	86	62.08	65	59.34	238
27.1	31.179	90	51.16	167	15.93	16	44.46	236	23.790	80	61.66	113	61.43	47	56.96	269
Okt. 7.1	31.089	36	49.49	166	15.77	8	42.10	244	23.710	42	60.53	140	60.96	29	54.27	290
17.0	31.053	24	47.83	157	15.69	1	39.66	244	23.668	1	59.13	166	60.67	8	51.37	301
27.0	31.077	87	46.26	142	15.70	10	37.22	234	23.669	48	57.47	191	60.59	15	48.36	299
Nov. 6.0	31.164	153	44.84	118	15.80	20	34.88	212	23.717	98	55.56	212	60.74	38	45.37	286
16.0	31.317	215	43.66	89	16.00	30	32.76	183	23.815	148	53.44	229	61.12	60	42.51	262
25.9	31.532	273	42.77	55	16.30	37	30.93	146	23.963	194	51.15	240	61.72	79	39.89	227
Dez. 5.9	31.805	322	42.22	18	16.67	44	29.47	103	24.157	235	48.75	246	62.51	97	37.62	184
15.9	32.127	361	42.04	21	17.11	50	28.44	55	24.392	270	46.29	242	63.48	112	35.78	133
25.8	32.488	388	42.25	58	17.61	54	27.89	6	24.662	295	43.87	233	64.60	122	34.45	80
35.8	32.876		42.83		18.15		27.83		24.957		41.54		65.82		33.65	
Mittl. Ort	28.983		41.93		13.86		31.97		22.534		59.05		58.35		40.09	
sec δ, tg δ	1.342		−0.895		2.031		−1.768		1.031		+0.251		5.108		−5.010	

*) Ort des hellen Sterns; die jährliche Parallaxe (0.″75) ist bereits berücksichtigt

Mittlere Zeit Greenw.	545) μ Virginis				547) 109 Virginis			
	AR.		Dekl.		AR.		Dekl.	
1921	14h 38m		−5° 18′		14h 42m		+2° 13′	
	s		″		s		″	
Jan. 0.8	53.652	310	53.70	182	15.093	304	29.89	197
10.8	53.962	318	55.52	178	15.397	314	27.92	187
20.8	54.280	316	57.30	168	15.711	313	26.05	169
30.8	54.596	307	58.98	153	16.024	304	24.36	145
Feb. 9.7	54.903	289	60.51	133	16.328	288	22.91	118
19.7	55.192	268	61.84	109	16.616	266	21.73	87
März 1.7	55.460	242	62.93	84	16.882	242	20.86	55
11.6	55.702	213	63.77	58	17.124	213	20.31	23
21.6	55.915	184	64.35	33	17.337	183	20.08	6
31.6	56.099	154	64.68	10	17.520	154	20.14	33
Apr. 10.6	56.253	125	64.78	11	17.674	123	20.47	55
20.5	56.378	95	64.67	27	17.797	95	21.02	74
30.5	56.473	67	64.40	42	17.892	65	21.76	87
Mai 10.5	56.540	39	63.98	53	17.957	38	22.63	96
20.5	56.579	12	63.45	60	17.995	10	23.59	101
30.4	56.591	15	62.85	64	18.005	17	24.60	102
Juni 9.4	56.576	41	62.21	68	17.988	43	25.62	99
19.4	56.535	66	61.53	68	17.945	67	26.61	95
29.3	56.469	88	60.85	66	17.878	91	27.56	87
Juli 9.3	56.381	109	60.19	65	17.787	110	28.43	77
19.3	56.272	126	59.54	60	17.677	127	29.20	67
29.3	56.146	139	58.94	55	17.550	140	29.87	54
Aug. 8.2	56.007	145	58.39	48	17.410	148	30.41	40
18.2	55.862	146	57.91	40	17.262	148	30.81	25
28.2	55.716	140	57.51	31	17.114	143	31.06	8
Sept. 7.2	55.576	125	57.20	18	16.971	128	31.14	11
17.1	55.451	102	57.02	3	16.843	106	31.03	30
27.1	55.349	71	56.99	14	16.737	77	30.73	52
Okt. 7.1	55.278	34	57.13	34	16.660	40	30.21	74
17.0	55.244	10	57.47	54	16.620	3	29.47	99
27.0	55.254	57	58.01	78	16.623	50	28.48	122
Nov. 6.0	55.311	108	58.79	102	16.673	99	27.26	145
16.0	55.419	156	59.81	124	16.772	148	25.81	165
25.9	55.575	202	61.05	144	16.920	193	24.16	183
Dez. 5.9	55.777	242	62.49	162	17.113	234	22.33	195
15.9	56.019	275	64.11	174	17.347	268	20.38	202
25.9	56.294	298	65.85	182	17.615	292	18.36	203
35.8	56.592		67.67		17.907		16.33	
Mittl. Ort	53.667		56.09		15.201		29.71	
sec δ, tg δ	1.004		−0.093		1.001		+0.039	

Mittlere Zeit Greenw.	548) α Librae				549) Gr. 2164			
	AR.		Dekl.		AR.		Dekl.	
1921	14h 46m		−15° 42′		14h 49m		+59° 36′	
	s		″		s		″	
Jan. 0.8	30.301	318	45.89	149	24.111	452	39.33	247
10.8	30.619	327	47.38	156	24.563	487	36.86	192
20.8	30.946	327	48.94	158	25.050	504	34.94	131
30.8	31.273	318	50.52	155	25.554	505	33.63	66
Feb. 9.7	31.591	302	52.07	145	26.059	488	32.97	2
19.7	31.893	280	53.52	133	26.547	457	32.99	67
März 1.7	32.173	255	54.85	118	27.004	413	33.66	129
11.6	32.428	228	56.03	100	27.417	358	34.95	185
21.6	32.656	198	57.03	82	27.775	296	36.80	232
31.6	32.854	168	57.85	64	28.071	229	39.12	269
Apr. 10.6	33.022	139	58.49	47	28.300	158	41.81	295
20.5	33.161	109	58.96	32	28.458	87	44.76	310
30.5	33.270	80	59.28	18	28.545	18	47.86	314
Mai 10.5	33.350	51	59.46	6	28.563	50	51.00	306
20.5	33.401	22	59.52	5	28.513	113	54.06	290
30.4	33.423	7	59.47	14	28.400	171	56.96	265
Juni 9.4	33.416	35	59.33	23	28.229	225	59.61	232
19.4	33.381	61	59.10	30	28.004	270	61.93	192
29.3	33.320	87	58.80	37	27.734	309	63.85	149
Juli 9.3	33.233	110	58.43	43	27.425	340	65.34	101
19.3	33.123	129	58.00	49	27.085	364	66.35	52
29.3	32.994	144	57.51	54	26.721	378	66.87	1
Aug. 8.2	32.850	152	56.97	57	26.343	382	66.88	51
18.2	32.698	155	56.40	60	25.961	377	66.37	101
28.2	32.543	148	55.80	58	25.584	359	65.36	150
Sept. 7.2	32.395	134	55.22	56	25.225	333	63.86	196
17.1	32.261	111	54.66	50	24.892	292	61.90	239
27.1	32.150	80	54.16	40	24.600	242	59.51	278
Okt. 7.1	32.070	40	53.76	26	24.358	182	56.73	311
17.0	32.030	5	53.50	9	24.176	111	53.62	339
27.0	32.035	55	53.41	12	24.065	33	50.23	359
Nov. 6.0	32.090	106	53.53	35	24.032	50	46.64	371
16.0	32.196	157	53.88	58	24.082	135	42.93	374
25.9	32.353	205	54.46	84	24.217	218	39.19	366
Dez. 5.9	32.558	247	55.30	106	24.435	297	35.53	347
15.9	32.805	281	56.36	126	24.732	367	32.06	318
25.9	33.086	306	57.62	143	25.099	425	28.88	278
35.8	33.392		59.05		25.524		26.10	
Mittl. Ort	30.268		51.67		25.956		52.26	
sec δ, tg δ	1.039		−0.281		1.977		+1.705	

Mittlere Zeit Greenw.	550) β Ursae min.				551) P. XIV, 221				552) β Lupi				555) β Bootis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	$14^h 50^m$		$+74° 28'$		$14^h 52^m$		$+14° 45'$		$14^h 53^m$		$-42° 48'$		$14^h 58^m$		$+40° 41'$	
Jan. 0.8	^{s}50.87	78	$''$27.93	230	^{s}29.138	300	$''$49.82	225	^{s}21.059	398	$''$47.22	53	^{s}57.296	337	$''$56.07	259
10.8	51.65	82	25.63	172	29.438	313	47.57	200	21.457	412	47.75	85	57.633	358	53.48	215
20.8	52.47	87	23.91	108	29.751	316	45.57	171	21.869	412	48.60	115	57.991	367	51.33	163
30.8	53.34	88	22.83	41	30.067	309	43.86	135	22.281	404	49.75	140	58.358	366	49.70	108
Feb. 9.7	54.22	86	22.42	28	30.376	296	42.51	95	22.685	386	51.15	161	58.724	354	48.62	47
19.7	55.08	82	22.70	94	30.672	276	41.56	53	23.071	361	52.76	177	59.078	332	48.15	12
März 1.7	55.90	73	23.64	156	30.948	251	41.03	11	23.432	331	54.53	187	59.410	303	48.27	70
11.7	56.63	63	25.20	210	31.199	223	40.92	30	23.763	299	56.40	193	59.713	268	48.97	124
21.6	57.26	51	27.30	255	31.422	192	41.22	67	24.062	263	58.33	196	59.981	229	50.21	171
31.6	57.77	37	29.85	290	31.614	162	41.89	99	24.325	226	60.29	195	60.210	187	51.92	211
Apr. 10.6	58.14	24	32.75	313	31.776	130	42.88	125	24.551	187	62.24	191	60.397	144	54.03	239
20.5	58.38	10	35.88	324	31.906	99	44.13	145	24.738	149	64.15	184	60.541	100	56.42	260
30.5	58.48	4	39.12	324	32.005	69	45.58	157	24.887	110	65.99	174	60.641	57	59.02	270
Mai 10.5	58.44	18	42.36	313	32.074	38	47.15	164	24.997	69	67.73	161	60.698	15	61.72	270
20.5	58.26	30	45.49	292	32.112	8	48.79	165	25.066	29	69.34	146	60.713	25	64.42	262
30.4	57.96	41	48.41	262	32.120	19	50.44	160	25.095	11	70.80	128	60.688	63	67.04	246
Juni 9.4	57.55	52	51.03	225	32.101	48	52.04	149	25.084	52	72.08	107	60.625	100	69.50	222
19.4	57.03	61	53.28	182	32.053	74	53.53	136	25.032	89	73.15	84	60.525	132	71.72	193
29.4	56.42	68	55.10	134	31.979	97	54.89	119	24.943	125	73.99	58	60.393	163	73.65	159
Juli 9.3	55.74	73	56.44	84	31.882	119	56.08	98	24.818	156	74.57	30	60.230	187	75.24	120
19.3	55.01	77	57.28	31	31.763	138	57.06	76	24.662	184	74.87	2	60.043	208	76.44	80
29.3	54.24	79	57.59	23	31.625	151	57.82	53	24.478	203	74.89	29	59.835	223	77.24	37
Aug. 8.2	53.45	79	57.36	75	31.474	159	58.35	26	24.275	215	74.60	57	59.612	231	77.61	7
18.2	52.66	77	56.61	127	31.315	161	58.61	1	24.060	218	74.03	86	59.381	232	77.54	51
28.2	51.89	74	55.34	176	31.154	157	58.62	27	23.842	209	73.17	111	59.149	225	77.03	94
Sept. 7.2	51.15	68	53.58	222	30.997	144	58.35	55	23.633	189	72.06	133	58.924	209	76.09	137
17.1	50.47	60	51.36	264	30.853	122	57.80	83	23.444	159	70.73	150	58.715	185	74.72	178
27.1	49.87	51	48.72	301	30.731	95	56.97	112	23.285	117	69.23	161	58.530	151	72.94	217
Okt. 7.1	49.36	41	45.71	332	30.636	57	55.85	139	23.168	65	67.62	165	58.379	108	70.77	250
17.1	48.95	28	42.39	356	30.579	16	54.46	166	23.103	6	65.97	161	58.271	59	68.27	282
27.0	48.67	14	38.83	373	30.563	32	52.80	191	23.097	59	64.36	149	58.212	3	65.45	306
Nov. 6.0	48.53	1	35.10	380	30.595	82	50.89	213	23.156	125	62.87	131	58.209	56	62.39	325
16.0	48.54	16	31.30	378	30.677	132	48.76	230	23.281	190	61.56	106	58.265	117	59.14	336
25.9	48.70	31	27.52	366	30.809	180	46.46	243	23.471	251	60.50	76	58.382	175	55.78	337
Dez. 5.9	49.01	45	23.86	342	30.989	223	44.03	248	23.722	305	59.74	41	58.557	231	52.41	329
15.9	49.46	59	20.44	308	31.212	259	41.55	246	24.027	349	59.33	6	58.788	278	49.12	311
25.9	50.05	70	17.36	264	31.471	287	39.09	235	24.376	381	59.27	32	59.066	318	46.01	282
35.8	50.75		14.72		31.758		36.74		24.757		59.59		59.384		43.19	
Mittl. Ort	55.16		42.12		29.453		52.84		20.931		60.45		58.213		65.08	
sec δ, tg δ	3.737		+3.601		1.034		+0.264		1.363		−0.927		1.319		+0.860	

Mittlere Zeit Greenw.	556) γ Scorpii AR.		556) γ Scorpii Dekl.		557) ψ Bootis AR.		557) ψ Bootis Dekl.		558) ζ Lupi AR.		558) ζ Lupi Dekl.		560) γ Triang. austr. AR.		560) γ Triang. austr. Dekl.	
1921	14h 59m		−24° 58′		15h 1m		+27° 14′		15h 6m		−51° 47′		15h 11m		−68° 23′	
Jan. 0.9	26.522	331	12.26	110	3.043	306	71.77	247	35.941	451	43.45	4	30.50	70	3.04	60
10.8	26.853	343	13.36	127	3.349	323	69.30	213	36.392	470	43.49	44	31.20	73	2.44	12
20.8	27.196	344	14.63	138	3.672	330	67.17	173	36.862	477	43.93	81	31.93	75	2.32	36
30.8	27.540	338	16.01	146	4.002	326	65.44	125	37.339	470	44.74	115	32.68	75	2.68	84
Feb. 9.7	27.878	323	17.47	147	4.328	315	64.19	76	37.809	454	45.89	145	33.43	73	3.52	128
19.7	28.201	303	18.94	144	4.643	295	63.43	23	38.263	430	47.34	170	34.16	69	4.80	166
März 1.7	28.504	278	20.38	139	4.938	270	63.20	28	38.693	399	49.04	189	34.85	65	6.46	200
11.7	28.782	252	21.77	129	5.208	241	63.48	77	39.092	363	50.93	204	35.50	59	8.46	228
21.6	29.034	222	23.06	119	5.449	208	64.25	119	39.455	323	52.97	216	36.09	53	10.74	252
31.6	29.256	192	24.25	107	5.657	174	65.44	157	39.778	281	55.13	222	36.62	45	13.26	269
Apr. 10.6	29.448	162	25.32	95	5.831	139	67.01	185	40.059	237	57.35	224	37.07	39	15.95	281
20.6	29.610	131	26.27	83	5.970	104	68.86	206	40.296	191	59.59	222	37.46	30	18.76	286
30.5	29.741	100	27.10	70	6.074	68	70.92	219	40.487	143	61.81	216	37.76	21	21.62	287
Mai 10.5	29.841	68	27.80	59	6.142	35	73.11	223	40.630	93	63.97	207	37.97	13	24.49	280
20.5	29.909	37	28.39	47	6.177	1	75.34	221	40.723	44	66.04	194	38.10	4	27.29	269
30.4	29.946	5	28.86	35	6.178	31	77.55	209	40.767	6	67.98	175	38.14	5	29.98	250
Juni 9.4	29.951	27	29.21	22	6.147	61	79.64	194	40.761	56	69.73	154	38.09	13	32.48	226
19.4	29.924	58	29.43	10	6.086	91	81.58	172	40.705	104	71.27	129	37.96	22	34.74	197
29.4	29.866	87	29.53	3	5.995	117	83.30	145	40.601	150	72.56	99	37.74	30	36.71	161
Juli 9.3	29.779	113	29.50	16	5.878	141	84.75	117	40.451	189	73.55	67	37.44	36	38.32	122
19.3	29.666	136	29.34	30	5.737	161	85.92	85	40.262	224	74.22	34	37.08	42	39.54	78
29.3	29.530	154	29.04	43	5.576	175	86.77	50	40.038	250	74.56	3	36.66	46	40.32	30
Aug. 8.3	29.376	166	28.61	56	5.401	185	87.27	15	39.788	267	74.53	40	36.20	49	40.62	17
18.2	29.210	169	28.05	67	5.216	187	87.42	21	39.521	272	74.13	76	35.71	50	40.45	66
28.2	29.041	165	27.38	75	5.029	183	87.21	57	39.249	264	73.37	110	35.21	48	39.79	112
Sept. 7.2	28.876	151	26.63	82	4.846	170	86.64	94	38.985	243	72.27	140	34.73	44	38.67	156
17.1	28.725	129	25.81	84	4.676	149	85.70	129	38.742	209	70.87	166	34.29	38	37.11	196
27.1	28.596	96	24.97	82	4.527	119	84.41	163	38.533	161	69.21	186	33.91	31	35.15	226
Okt. 7.1	28.500	55	24.15	75	4.408	82	82.78	196	38.372	102	67.35	198	33.60	21	32.89	250
17.1	28.445	7	23.40	63	4.326	38	80.82	225	38.270	34	65.37	201	33.39	10	30.39	264
27.0	28.438	45	22.77	47	4.288	12	78.57	251	38.236	41	63.36	197	33.29	3	27.75	268
Nov. 6.0	28.483	100	22.30	27	4.300	64	76.06	272	38.277	120	61.39	182	33.32	14	25.07	259
16.0	28.583	155	22.03	2	4.364	118	73.34	287	38.397	196	59.57	162	33.46	28	22.48	242
26.0	28.738	205	22.01	24	4.482	169	70.47	295	38.593	268	57.95	132	33.74	39	20.06	215
Dez. 5.9	28.943	251	22.25	50	4.651	217	67.52	294	38.861	333	56.63	98	34.13	49	17.91	179
15.9	29.194	289	22.75	76	4.868	258	64.58	284	39.194	388	55.65	60	34.62	59	16.12	137
25.9	29.483	316	23.51	99	5.126	290	61.74	264	39.582	428	55.05	20	35.21	65	14.75	90
35.8	29.799		24.50		5.416		59.10		40.010		54.85		35.86		13.85	
Mittl. Ort	26.502		20.96		3.617		77.61		35.921		58.61		30.74		20.84	
sec δ, tg δ	1.103		−0.466		1.125		+0.515		1.617		−1.271		2.715		−2.524	

Mittlere Zeit Greenw.	563) δ Bootis AR.		563) δ Bootis Dekl.		564) β Librae AR.		564) β Librae Dekl.		565) 1 H. Ursae min. AR.		565) 1 H. Ursae min. Dekl.		566) φ¹ Lupi AR.		566) φ¹ Lupi Dekl.	
1921	15ʰ 12ᵐ		+33° 36′		15ʰ 12ᵐ		−9° 5′		15ʰ 13ᵐ		+67° 38′		15ʰ 16ᵐ		−35° 58′	
	s		″		s		″		s		″		s		″	
Jan. 0.9	18.292	309	25.02	261	45.045	299	27.97	158	40.53	53	35.59	264	47.176	356	21.36	54
10.8	18.601	331	22.41	223	45.344	312	29.55	158	41.06	59	32.95	210	47.532	372	21.90	81
20.8	18.932	342	20.18	178	45.656	316	31.13	154	41.65	62	30.85	150	47.904	378	22.71	103
30.8	19.274	341	18.40	126	45.972	313	32.67	143	42.27	64	29.35	83	48.282	374	23.74	122
Feb. 9.8	19.615	332	17.14	72	46.285	301	34.10	128	42.91	64	28.52	15	48.656	363	24.96	136
19.7	19.947	315	16.42	15	46.586	284	35.38	108	43.55	60	28.37	53	49.019	344	26.32	145
März 1.7	20.262	290	16.27	40	46.870	264	36.46	87	44.15	56	28.90	117	49.363	320	27.77	152
11.7	20.552	261	16.67	93	47.134	239	37.33	65	44.71	50	30.07	176	49.683	294	29.29	153
21.6	20.813	227	17.60	139	47.373	214	37.98	42	45.21	43	31.83	227	49.977	263	30.82	153
31.6	21.040	192	18.99	179	47.587	186	38.40	21	45.64	34	34.10	268	50.240	233	32.35	149
Apr. 10.6	21.232	154	20.78	211	47.773	159	38.61	2	45.98	24	36.78	298	50.473	199	33.84	145
20.6	21.386	116	22.89	233	47.932	130	38.63	15	46.22	15	39.76	318	50.672	166	35.29	138
30.5	21.502	78	25.22	247	48.062	102	38.48	27	46.37	5	42.94	324	50.838	131	36.67	130
Mai 10.5	21.580	40	27.69	251	48.164	73	38.21	39	46.42	4	46.18	320	50.969	95	37.97	120
20.5	21.620	3	30.20	247	48.237	44	37.82	46	46.38	13	49.38	307	51.064	58	39.17	108
30.5	21.623	33	32.67	235	48.281	13	37.36	51	46.25	22	52.45	283	51.122	20	40.25	96
Juni 9.4	21.590	66	35.02	217	48.294	15	36.85	55	46.03	29	55.28	252	51.142	18	41.21	80
19.4	21.524	99	37.19	192	48.279	45	36.30	57	45.74	37	57.80	214	51.124	55	42.01	64
29.4	21.425	129	39.11	163	48.234	72	35.73	57	45.37	42	59.94	171	51.069	91	42.65	45
Juli 9.3	21.296	155	40.74	130	48.162	98	35.16	56	44.95	47	61.65	123	50.978	124	43.10	25
19.3	21.141	177	42.04	94	48.064	120	34.60	55	44.48	51	62.88	72	50.854	152	43.35	3
29.3	20.964	194	42.98	56	47.944	139	34.05	53	43.97	54	63.60	21	50.702	176	43.38	19
Aug. 8.3	20.770	205	43.54	16	47.805	151	33.52	49	43.43	54	63.81	32	50.526	191	43.19	42
18.2	20.565	209	43.70	25	47.654	158	33.03	44	42.89	55	63.49	85	50.335	199	42.77	63
28.2	20.356	206	43.45	65	47.496	155	32.59	38	42.34	53	62.64	135	50.136	196	42.14	84
Sept. 7.2	20.150	194	42.80	105	47.341	146	32.21	29	41.81	50	61.29	184	49.940	184	41.30	101
17.2	19.956	173	41.75	145	47.195	127	31.92	19	41.31	45	59.45	230	49.756	160	40.29	114
27.1	19.783	144	40.30	182	47.068	100	31.73	6	40.86	40	57.15	271	49.596	125	39.15	123
Okt. 7.1	19.639	105	38.48	216	46.968	64	31.67	10	40.46	32	54.44	307	49.471	82	37.92	125
17.1	19.534	60	36.32	248	46.904	22	31.77	28	40.14	23	51.37	337	49.389	30	36.67	122
27.0	19.474	9	33.84	275	46.882	26	32.05	48	39.91	14	48.00	361	49.359	28	35.45	113
Nov. 6.0	19.465	46	31.09	296	46.908	75	32.53	69	39.77	3	44.39	375	49.387	89	34.32	96
16.0	19.511	103	28.13	311	46.983	127	33.22	92	39.74	8	40.64	381	49.476	150	33.36	76
26.0	19.614	157	25.02	318	47.110	174	34.14	112	39.82	19	36.83	375	49.626	208	32.60	50
Dez. 5.9	19.771	209	21.84	315	47.284	218	35.26	130	40.01	30	33.08	360	49.834	260	32.10	21
15.9	19.980	255	18.69	302	47.502	256	36.56	146	40.31	40	29.48	332	50.094	303	31.89	9
25.9	20.235	291	15.67	281	47.758	283	38.02	155	40.71	48	26.16	295	50.397	338	31.98	38
35.9	20.526		12.86		48.041		39.57		41.19		23.21		50.735		32.36	
Mittl. Ort	19.070		31.60		45.197		32.54		43.54		47.32		47.222		33.05	
sec δ, tg δ	1.201		+0.665		1.013		−0.160		2.629		+2.432		1.236		−0.726	

Mittlere Zeit Greenw.	569) γ Ursae min. AR.	Diff.	569) γ Ursae min. Dekl.	Diff.	568) μ Bootis AR.	Diff.	568) μ Bootis Dekl.	Diff.	571) ι Draconis AR.	Diff.	571) ι Draconis Dekl.	Diff.	572) β Coron. bor. AR.	Diff.	572) β Coron. bor. Dekl.	Diff.
1921	$15^h\ 20^m$		$+72°\ 6'$		$15^h\ 21^m$		$+37°\ 38'$		$15^h\ 23^m$		$+59°\ 14'$		$15^h\ 24^m$		$+29°\ 22'$	
Jan. 0.9	$46\overset{s}{.}51$	61	$42\overset{''}{.}95$	265	$29\overset{s}{.}400$	311	$65\overset{''}{.}80$	269	$8\overset{s}{.}133$	410	$22\overset{''}{.}50$	278	$33\overset{s}{.}572$	294	$33\overset{''}{.}13$	259
10.8	47.12	68	40.30	211	29.711	336	63.11	230	8.543	456	19.72	227	33.866	316	30.54	226
20.8	47.80	75	38.19	150	30.047	349	60.81	183	8.999	480	17.45	171	34.182	327	28.28	185
30.8	48.55	77	36.69	84	30.396	353	58.98	129	9.479	495	15.74	106	34.509	329	26.43	138
Feb. 9.8	49.32	77	35.85	16	30.749	345	57.69	72	9.974	491	14.68	40	34.838	323	25.05	86
19.7	50.09	74	35.69	52	31.094	330	56.97	13	10.465	472	14.28	28	35.161	308	24.19	32
März 1.7	50.83	69	36.21	117	31.424	305	56.84	46	10.937	440	14.56	93	35.469	286	23.87	22
11.7	51.52	61	37.38	176	31.729	277	57.30	100	11.377	395	15.49	153	35.755	260	24.09	73
21.6	52.13	53	39.14	228	32.006	243	58.30	150	11.772	342	17.02	206	36.015	230	24.82	119
31.6	52.66	42	41.42	270	32.249	206	59.80	191	12.114	281	19.08	249	36.245	198	26.01	160
Apr. 10.6	53.08	31	44.12	300	32.455	166	61.71	225	12.395	217	21.57	283	36.443	164	27.61	192
20.6	53.39	18	47.12	319	32.621	127	63.96	248	12.612	148	24.40	306	36.607	128	29.53	216
30.5	53.57	6	50.31	328	32.748	86	66.44	264	12.760	78	27.46	317	36.735	93	31.69	232
Mai 10.5	53.63	5	53.59	324	32.834	45	69.08	268	12.838	11	30.63	318	36.828	57	34.01	239
20.5	53.58	17	56.83	311	32.879	5	71.76	264	12.849	56	33.81	308	36.885	21	36.40	237
30.5	53.41	28	59.94	288	32.884	33	74.40	252	12.793	119	36.89	290	36.906	14	38.77	229
Juni 9.4	53.13	38	62.82	257	32.851	70	76.92	233	12.674	178	39.79	262	36.892	47	41.06	214
19.4	52.75	46	65.39	220	32.781	106	79.25	207	12.496	231	42.41	228	36.845	80	43.20	193
29.4	52.29	54	67.59	175	32.675	138	81.32	177	12.265	279	44.69	188	36.765	111	45.13	166
Juli 9.3	51.75	61	69.34	128	32.537	166	83.09	141	11.986	319	46.57	143	36.654	138	46.79	137
19.3	51.14	65	70.62	78	32.371	191	84.50	104	11.667	353	48.00	96	36.516	161	48.16	103
29.3	50.49	68	71.40	25	32.180	210	85.54	62	11.314	376	48.96	46	36.355	181	49.19	69
Aug. 8.3	49.81	70	71.65	27	31.970	222	86.16	20	10.938	390	49.42	6	36.174	194	49.88	31
18.2	49.11	70	71.38	81	31.748	229	86.36	22	10.548	395	49.36	56	35.980	200	50.19	6
28.2	48.41	68	70.57	131	31.519	225	86.14	66	10.153	387	48.80	108	35.780	200	50.13	45
Sept. 7.2	47.73	65	69.26	180	31.294	215	85.48	109	9.766	368	47.72	156	35.580	190	49.68	84
17.2	47.08	59	67.46	226	31.079	194	84.39	149	9.398	337	46.16	203	35.390	172	48.84	121
27.1	46.49	53	65.20	268	30.885	165	82.90	189	9.061	294	44.13	245	35.218	145	47.63	157
Okt. 7.1	45.96	43	62.52	304	30.720	126	81.01	225	8.767	238	41.68	285	35.073	110	46.06	192
17.1	45.53	33	59.48	335	30.594	80	78.76	259	8.529	173	38.83	317	34.963	66	44.14	224
27.0	45.20	21	56.13	358	30.514	27	76.17	286	8.356	99	35.66	344	34.897	18	41.90	252
Nov. 6.0	44.99	9	52.55	373	30.487	29	73.31	308	8.257	17	32.22	363	34.879	35	39.38	275
16.0	44.90	5	48.82	379	30.516	89	70.23	324	8.240	67	28.59	373	34.914	90	36.63	292
26.0	44.95	19	45.03	374	30.605	146	66.99	329	8.307	152	24.86	372	35.004	143	33.71	302
Dez. 5.9	45.14	32	41.29	359	30.751	201	63.70	327	8.459	235	21.14	361	35.147	194	30.69	302
15.9	45.46	44	37.70	333	30.952	250	60.43	314	8.694	310	17.53	339	35.341	239	27.67	295
25.9	45.90	56	34.37	294	31.202	290	57.29	290	9.004	376	14.14	305	35.580	275	24.72	276
35.9	46.46		31.43		31.492		54.39		9.380		11.09		35.855		21.96	
Mittl. Ort	50.51		54.35		30.337		72.59		10.205		32.57		34.304		37.97	
sec δ, tg δ	3.256		+3.099		1.263		+0.772		1.955		+1.680		1.148		+0.563	

Mittlere Zeit Greenw.	573) ν¹ Bootis AR.	Δ	573) ν¹ Bootis Dekl.	Δ	575) γ Lupi AR.	Δ	575) γ Lupi Dekl.	Δ	577) γ Librae AR.	Δ	577) γ Librae Dekl.	Δ	578) α Coron. bor. AR.	Δ	578) α Coron. bor. Dekl.	Δ
1921	$15^h 28^m$		$+41° 5'$		$15^h 29^m$		$-40° 53'$		$15^h 31^m$		$-14° 31'$		$15^h 31^m$		$+26° 58'$	
Jan. 0.9	4.396	314	59.00	277	52.002	369	55.68	22	6.040	296	30.78	130	19.848	287	43.09	258
10.8	4.710	343	56.23	236	52.371	389	55.90	51	6.336	312	32.08	135	20.135	309	40.51	227
20.8	5.053	359	53.87	187	52.760	399	56.41	78	6.648	320	33.43	137	20.444	321	38.24	188
30.8	5.412	365	52.00	132	53.159	397	57.19	102	6.968	319	34.80	132	20.765	324	36.36	144
Feb. 9.8	5.777	359	50.68	73	53.556	389	58.21	121	7.287	311	36.12	122	21.089	319	34.92	93
19.7	6.136	344	49.95	11	53.945	372	59.42	136	7.598	297	37.34	110	21.408	305	33.99	41
März 1.7	6.480	322	49.84	49	54.317	350	60.78	147	7.895	279	38.44	94	21.713	285	33.58	12
11.7	6.802	293	50.33	105	54.667	323	62.25	155	8.174	257	39.38	77	21.998	261	33.70	61
21.7	7.095	258	51.38	157	54.990	294	63.80	159	8.431	232	40.15	59	22.259	233	34.31	108
31.6	7.353	219	52.95	199	55.284	262	65.39	162	8.663	208	40.74	41	22.492	202	35.39	147
Apr. 10.6	7.572	178	54.94	235	55.546	227	67.01	160	8.871	180	41.15	25	22.694	170	36.86	181
20.6	7.750	136	57.29	259	55.773	193	68.61	157	9.051	153	41.40	12	22.864	136	38.67	205
30.5	7.886	93	59.88	275	55.966	155	70.18	152	9.204	124	41.52	0	23.000	101	40.72	222
Mai 10.5	7.979	49	62.63	281	56.121	116	71.70	145	9.328	95	41.52	11	23.101	67	42.94	231
20.5	8.028	7	65.44	277	56.237	75	73.15	135	9.423	64	41.41	18	23.168	32	45.25	230
30.5	8.035	35	68.21	264	56.312	34	74.50	122	9.487	32	41.23	25	23.200	3	47.55	223
Juni 9.4	8.000	74	70.85	244	56.346	8	75.72	108	9.519	1	40.98	29	23.197	37	49.78	210
19.4	7.926	113	73.29	218	56.338	51	76.80	91	9.520	31	40.69	34	23.160	69	51.88	191
29.4	7.813	147	75.47	186	56.287	90	77.71	71	9.489	61	40.35	37	23.091	100	53.79	166
Juli 9.4	7.666	177	77.33	150	56.197	127	78.42	49	9.428	91	39.98	39	22.991	128	55.45	138
19.3	7.489	205	78.83	109	56.070	161	78.91	24	9.337	116	39.59	42	22.863	153	56.83	107
29.3	7.284	224	79.92	67	55.909	188	79.15	1	9.221	138	39.17	44	22.710	173	57.90	74
Aug. 8.3	7.060	239	80.59	24	55.721	207	79.14	28	9.083	154	38.73	45	22.537	187	58.64	38
18.2	6.821	246	80.83	22	55.514	218	78.86	54	8.929	163	38.28	45	22.350	196	59.02	2
28.2	6.575	244	80.61	67	55.296	218	78.32	79	8.766	165	37.83	45	22.154	195	59.04	35
Sept. 7.2	6.331	233	79.94	111	55.078	206	77.53	101	8.601	157	37.38	42	21.959	188	58.69	73
17.2	6.098	213	78.83	154	54.872	183	76.52	121	8.444	141	36.96	37	21.771	170	57.96	109
27.1	5.885	183	77.29	195	54.689	149	75.31	134	8.303	114	36.59	29	21.601	145	56.87	145
Okt. 7.1	5.702	144	75.34	233	54.540	104	73.97	143	8.189	80	36.30	18	21.456	111	55.42	179
17.1	5.558	96	73.01	267	54.436	49	72.54	145	8.109	38	36.12	4	21.345	69	53.63	211
27.1	5.462	43	70.34	296	54.387	12	71.09	140	8.071	10	36.08	13	21.276	21	51.52	239
Nov. 6.0	5.419	16	67.38	318	54.399	77	69.69	127	8.081	61	36.21	32	21.255	30	49.13	263
16.0	5.435	78	64.20	334	54.476	141	68.42	109	8.142	112	36.53	53	21.285	85	46.50	281
26.0	5.513	138	60.86	340	54.617	204	67.33	86	8.254	163	37.06	73	21.370	137	43.69	292
Dez. 5.9	5.651	196	57.46	336	54.821	261	66.47	57	8.417	209	37.79	93	21.507	187	40.77	295
15.9	5.847	248	54.10	323	55.082	309	65.90	27	8.626	248	38.72	111	21.694	231	37.82	290
25.9	6.095	292	50.87	298	55.391	348	65.63	4	8.874	279	39.83	125	21.925	268	34.92	273
35.9	6.387		47.89		55.739		65.67		9.153		41.08		22.193		32.19	
Mittl. Ort	5.478		65.95		52.134		68.49		6.243		37.26		20.556		46.97	
sec δ, tg δ	1.327		+0.873		1.323		−0.866		1.033		−0.259		1.122		+0.509	

Mittlere Zeit Greenw.	582) α Serpentis AR.		582) α Serpentis Dekl.		583) β Serpentis AR.		583) β Serpentis Dekl.	
1921	15h 40m		+6° 40′		15h 42m		+15° 39′	
	s		″		s		″	
Jan. 0.9	22.098	274	25.01	204	31.902	272	64.51	232
10.8	22.372	292	22.97	191	32.174	293	62.19	212
20.8	22.664	303	21.06	171	32.467	304	60.07	183
30.8	22.967	305	19.35	145	32.771	308	58.24	149
Feb. 9.8	23.272	299	17.90	113	33.079	304	56.75	108
19.7	23.571	287	16.77	77	33.383	292	55.67	65
März 1.7	23.858	271	16.00	42	33.675	275	55.02	21
11.7	24.129	250	15.58	5	33.950	255	54.81	22
21.7	24.379	227	15.53	29	34.205	231	55.03	64
31.6	24.606	202	15.82	60	34.436	204	55.67	99
Apr. 10.6	24.808	175	16.42	87	34.640	176	56.66	130
20.6	24.983	148	17.29	108	34.816	148	57.96	153
30.5	25.131	119	18.37	124	34.964	116	59.49	171
Mai 10.5	25.250	89	19.61	135	35.080	86	61.20	182
20.5	25.339	59	20.96	140	35.166	54	63.02	185
30.5	25.398	28	22.36	140	35.220	21	64.87	182
Juni 9.4	25.426	3	23.76	135	35.241	10	66.69	175
19.4	25.423	34	25.11	127	35.231	43	68.44	161
29.4	25.389	64	26.38	116	35.188	73	70.05	145
Juli 9.4	25.325	92	27.54	102	35.115	101	71.50	125
19.3	25.233	117	28.56	87	35.014	127	72.75	102
29.3	25.116	138	29.43	69	34.887	149	73.77	77
Aug. 8.3	24.978	155	30.12	50	34.738	165	74.54	50
18.2	24.823	165	30.62	30	34.573	175	75.04	22
28.2	24.658	167	30.92	9	34.398	178	75.26	6
Sept. 7.2	24.491	162	31.01	14	34.220	172	75.20	36
17.2	24.329	148	30.87	36	34.048	158	74.84	66
27.1	24.181	124	30.51	61	33.890	135	74.18	96
Okt. 7.1	24.057	93	29.90	85	33.755	103	73.22	125
17.1	23.964	54	29.05	109	33.652	65	71.97	154
27.1	23.910	10	27.96	134	33.587	20	70.43	181
Nov. 6.0	23.900	39	26.62	157	33.567	30	68.62	205
16.0	23.939	89	25.05	177	33.597	80	66.57	225
26.0	24.028	138	23.28	194	33.677	131	64.32	240
Dez. 5.9	24.166	183	21.34	206	33.808	177	61.92	249
15.9	24.349	224	19.28	211	33.985	219	59.43	250
25.9	24.573	256	17.17	210	34.204	254	56.93	243
35.9	24.829		15.07		34.458		54.50	
Mittl. Ort	22.521		23.64		32.452		65.18	
sec δ, tg δ	1.007		+0.117		1.039		+0.281	

Mittlere Zeit Greenw.	584) κ Serpentis AR.		584) κ Serpentis Dekl.		585) μ Serpentis AR.		585) μ Serpentis Dekl.	
1921	15h 45m		+18° 22′		15h 45m		−3° 11′	
	s		″		s		″	
Jan. 0.9	10.384	271	63.38	241	29.372	275	18.15	168
10.8	10.655	293	60.97	217	29.647	294	19.83	164
20.8	10.948	305	58.80	188	29.941	304	21.47	153
30.8	11.253	310	56.92	150	30.245	306	23.00	137
Feb. 9.8	11.563	306	55.42	107	30.551	301	24.37	116
19.7	11.869	295	54.35	62	30.852	289	25.53	91
März 1.7	12.164	278	53.73	16	31.141	274	26.44	64
11.7	12.442	258	53.57	30	31.415	255	27.08	36
21.7	12.700	234	53.87	73	31.670	232	27.44	9
31.6	12.934	207	54.60	110	31.902	209	27.53	16
Apr. 10.6	13.141	179	55.70	141	32.111	183	27.37	38
20.6	13.320	150	57.11	167	32.294	157	26.99	56
30.5	13.470	118	58.78	185	32.451	129	26.43	70
Mai 10.5	13.588	86	60.63	194	32.580	100	25.73	81
20.5	13.674	53	62.57	199	32.680	71	24.92	87
30.5	13.727	21	64.56	195	32.751	39	24.05	89
Juni 9.4	13.748	12	66.51	187	32.790	8	23.16	90
19.4	13.736	44	68.38	172	32.798	24	22.26	87
29.4	13.692	76	70.10	154	32.774	55	21.39	81
Juli 9.4	13.616	104	71.64	131	32.719	83	20.58	75
19.3	13.512	131	72.95	108	32.636	110	19.83	67
29.3	13.381	153	74.03	80	32.526	134	19.16	58
Aug. 8.3	13.228	170	74.83	51	32.392	150	18.58	49
18.2	13.058	180	75.34	21	32.242	162	18.09	37
28.2	12.878	183	75.55	10	32.080	165	17.72	25
Sept. 7.2	12.695	178	75.45	42	31.915	160	17.47	12
17.2	12.517	163	75.03	73	31.755	147	17.35	3
27.1	12.354	141	74.30	105	31.608	124	17.38	19
Okt. 7.1	12.213	109	73.25	136	31.484	93	17.57	37
17.1	12.104	71	71.89	166	31.391	53	17.94	57
27.1	12.033	25	70.23	193	31.338	9	18.51	78
Nov. 6.0	12.008	24	68.30	219	31.329	40	19.29	98
16.0	12.032	76	66.11	238	31.369	90	20.27	119
26.0	12.108	126	63.73	253	31.459	140	21.46	137
Dez. 5.9	12.234	174	61.20	260	31.599	184	22.83	152
15.9	12.408	216	58.60	261	31.783	225	24.35	164
25.9	12.624	252	55.99	252	32.008	257	25.99	169
35.9	12.876		53.47		32.265		27.68	
Mittl. Ort	10.987		64.53		29.718		22.14	
sec δ, tg δ	1.054		+0.333		1.001		−0.056	

Mittlere Zeit Greenw.	590) ζ Ursae min. AR.	Δ	Dekl.	Δ	588) ε Serpentis AR.	Δ	Dekl.	Δ
1921	15h 46m		+78° 1′		15h 46m		+4° 42′	
Jan. 0.9	44.09	77	68.34	280	52.162	270	54.46	196
10.9	44.86	90	65.54	230	52.432	290	52.50	186
20.8	45.76	101	63.24	173	52.722	301	50.64	167
30.8	46.77	107	61.51	109	53.023	303	48.97	143
Feb. 9.8	47.84	110	60.42	43	53.326	299	47.54	114
19.7	48.94	109	59.99	26	53.625	289	46.40	81
März 1.7	50.03	104	60.25	92	53.914	272	45.59	46
11.7	51.07	96	61.17	153	54.186	254	45.13	12
21.7	52.03	83	62.70	207	54.440	231	45.01	22
31.6	52.86	69	64.77	253	54.671	207	45.23	52
Apr. 10.6	53.55	53	67.30	289	54.878	181	45.75	78
20.6	54.08	35	70.19	312	55.059	155	46.53	99
30.6	54.43	17	73.31	326	55.214	126	47.52	115
Mai 10.5	54.60	2	76.57	327	55.340	97	48.67	126
20.5	54.58	19	79.84	319	55.437	66	49.93	131
30.5	54.39	36	83.03	300	55.503	35	51.24	132
Juni 9.4	54.03	53	86.03	274	55.538	4	52.56	128
19.4	53.50	66	88.77	240	55.542	27	53.84	121
29.4	52.84	80	91.17	199	55.515	59	55.05	112
Juli 9.4	52.04	90	93.16	155	55.456	87	56.17	99
19.3	51.14	98	94.71	106	55.369	113	57.16	84
29.3	50.16	105	95.77	54	55.256	136	58.00	69
Aug. 8.3	49.11	108	96.31	3	55.120	153	58.69	52
18.3	48.03	110	96.34	49	54.967	164	59.21	33
28.2	46.93	109	95.85	101	54.803	168	59.54	14
Sept. 7.2	45.84	105	94.84	150	54.635	163	59.68	7
17.2	44.79	98	93.34	198	54.472	150	59.61	29
27.1	43.81	89	91.36	241	54.322	128	59.32	51
Okt. 7.1	42.92	78	88.95	281	54.194	97	58.81	74
17.1	42.14	64	86.14	315	54.097	58	58.07	97
27.1	41.50	47	82.99	341	54.039	15	57.10	122
Nov. 6.0	41.03	30	79.58	361	54.024	34	55.88	144
16.0	40.73	10	75.97	371	54.058	84	54.44	164
26.0	40.63	10	72.26	371	54.142	133	52.80	181
Dez. 6.0	40.73	29	68.55	362	54.275	178	50.99	195
15.9	41.02	50	64.93	339	54.453	219	49.04	201
25.9	41.52	67	61.54	307	54.672	252	47.03	202
35.9	42.19		58.47		54.924		45.01	
Mittl Ort	50.78		77.51		52.589		52.35	
sec δ, tg δ	4.825		+4.720		1.003		+0.082	

Mittlere Zeit Greenw.	589) β Triang. austr. AR.	Δ	Dekl.	Δ	593) ε Coron. bor. AR.	Δ	Dekl.	Δ
1921	15h 48m		−63° 11′		15h 54m		+27° 6′	
Jan. 0.9	9.49	55	1.59	89	18.156	270	18.28	265
10.9	10.04	59	0.70	45	18.426	295	15.63	236
20.8	10.63	61	0.25	3	18.721	312	13.27	199
30.8	11.24	63	0.22	39	19.033	320	11.28	156
Feb. 9.8	11.87	62	0.61	79	19.353	318	9.72	106
19.7	12.49	61	1.40	115	19.671	309	8.66	54
März 1.7	13.10	57	2.55	148	19.980	294	8.12	1
11.7	13.67	54	4.03	176	20.274	274	8.11	51
21.7	14.21	50	5.79	201	20.548	249	8.62	99
31.6	14.71	45	7.80	220	20.797	221	9.61	142
Apr. 10.6	15.16	39	10.00	235	21.018	191	11.03	177
20.6	15.55	33	12.35	245	21.209	159	12.80	205
30.6	15.88	27	14.80	250	21.368	124	14.85	225
Mai 10.5	16.15	19	17.30	252	21.492	90	17.10	235
20.5	16.34	13	19.82	246	21.582	55	19.45	238
30.5	16.47	5	22.28	236	21.637	18	21.83	234
Juni 9.4	16.52	3	24.64	220	21.655	17	24.17	223
19.4	16.49	10	26.84	199	21.638	53	26.40	205
29.4	16.39	17	28.83	171	21.585	87	28.45	182
Juli 9.4	16.22	24	30.54	140	21.498	117	30.27	155
19.3	15.98	29	31.94	104	21.381	146	31.82	124
29.3	15.69	35	32.98	63	21.235	170	33.06	92
Aug. 8.3	15.34	38	33.61	20	21.065	188	33.98	56
18.3	14.96	40	33.81	24	20.877	200	34.54	19
28.2	14.56	40	33.57	68	20.677	204	34.73	18
Sept. 7.2	14.16	39	32.89	111	20.473	200	34.55	56
17.2	13.77	35	31.78	150	20.273	186	33.99	93
27.1	13.42	30	30.28	184	20.087	164	33.06	130
Okt. 7.1	13.12	23	28.44	211	19.923	132	31.76	166
17.1	12.89	14	26.33	230	19.791	92	30.10	199
27.1	12.75	5	24.03	241	19.699	47	28.11	230
Nov. 6.0	12.70	5	21.62	240	19.652	5	25.81	255
16.0	12.75	16	19.22	231	19.657	58	23.26	276
26.0	12.91	26	16.91	212	19.715	111	20.50	290
Dez. 6.0	13.17	36	14.79	185	19.826	163	17.60	295
15.9	13.53	44	12.94	152	19.989	209	14.65	292
25.9	13.97	51	11.42	113	20.198	248	11.73	279
35.9	14.48		10.29		20.446		8.94	
Mittl Ort	10.06		18.02		18.957		20.72	
sec δ, tg δ	2.217		−1.979		1.123		+0.512	

Mittlere Zeit Greenw.	594) δ Scorpii AR.	Δ	594) δ Scorpii Dekl.	Δ	598) ϑ Draconis AR.	Δ	598) ϑ Draconis Dekl.	Δ	597) β Scorpii AR.	Δ	597) β Scorpii Dekl.	Δ	603) δ Ophiuchi AR.	Δ	603) δ Ophiuchi Dekl.	Δ
1921	15h 55m		−22° 23′		16h 0m		+58° 46′		16h 0m		−19° 35′		16h 10m		−3° 29′	
Jan. 0.9	39.235	295	44.37	82	22.155	353	26.45	305	50.084	286	17.21	92	11.786	259	26.46	160
10.9	39.530	315	45.19	95	22.508	408	23.40	261	50.370	307	18.13	101	12.045	282	28.06	157
20.8	39.845	328	46.14	102	22.916	447	20.79	209	50.677	320	19.14	107	12.327	295	29.63	146
30.8	40.173	331	47.16	107	23.363	472	18.70	148	50.997	324	20.21	108	12.622	302	31.09	131
Feb. 9.8	40.504	327	48.23	107	23.835	482	17.22	84	51.321	322	21.29	105	12.924	300	32.40	110
19.8	40.831	317	49.30	102	24.317	476	16.38	15	51.643	312	22.34	97	13.224	294	33.50	87
März 1.7	41.148	302	50.32	95	24.793	457	16.23	51	51.955	298	23.31	88	13.518	282	34.37	60
11.7	41.450	283	51.27	87	25.250	425	16.74	115	52.253	280	24.19	76	13.800	266	34.97	32
21.7	41.733	261	52.14	76	25.675	382	17.89	174	52.533	260	24.95	64	14.066	248	35.29	5
31.6	41.994	239	52.90	66	26.057	330	19.63	224	52.793	238	25.59	50	14.314	227	35.34	20
Apr. 10.6	42.233	212	53.56	55	26.387	273	21.87	265	53.031	213	26.09	39	14.541	204	35.14	42
20.6	42.445	185	54.11	46	26.660	209	24.52	295	53.244	186	26.48	29	14.745	179	34.72	60
30.6	42.630	157	54.57	37	26.869	144	27.47	316	53.430	158	26.77	19	14.924	152	34.12	75
Mai 10.5	42.787	125	54.94	30	27.013	76	30.63	325	53.588	128	26.96	12	15.076	124	33.37	85
20.5	42.912	93	55.24	23	27.089	7	33.88	323	53.716	96	27.08	5	15.200	93	32.52	91
30.5	43.005	59	55.47	18	27.096	58	37.11	312	53.812	63	27.13	0	15.293	62	31.61	94
Juni 9.5	43.064	25	55.65	11	27.038	122	40.23	292	53.875	28	27.13	5	15.355	29	30.67	93
19.4	43.089	13	55.76	5	26.916*	183	43.15	264	53.903	8	27.08	9	15.384	5	29.74	90
29.4	43.076	48	55.81	1	26.733	238	45.79	229	53.895	42	26.99	13	15.379	38	28.84	84
Juli 9.4	43.028	81	55.80	8	26.495	288	48.08	189	53.853	77	26.86	17	15.341	70	28.00	77
19.3	42.947	112	55.72	15	26.207	330	49.97	144	53.776	107	26.69	23	15.271	100	27.23	69
29.3	42.835	139	55.57	23	25.877	364	51.41	97	53.669	134	26.46	27	15.171	127	26.54	59
Aug. 8.3	42.696	159	55.34	31	25.513	389	52.38	46	53.535	156	26.19	32	15.044	147	25.95	49
18.3	42.537	174	55.03	38	25.124	403	52.84	4	53.379	170	25.87	37	14.897	163	25.46	38
28.2	42.363	179	54.65	46	24.721	407	52.80	57	53.209	176	25.50	41	14.734	170	25.08	26
Sept. 7.2	42.184	175	54.19	51	24.314	397	52.23	107	53.033	174	25.09	45	14.564	169	24.82	13
17.2	42.009	161	53.68	55	23.917	375	51.16	156	52.859	161	24.64	44	14.395	159	24.69	1
27.2	41.848	138	53.13	55	23.542	342	49.60	203	52.698	138	24.20	44	14.236	139	24.70	16
Okt. 7.1	41.710	104	52.58	52	23.200	294	47.57	247	52.560	106	23.76	38	14.097	111	24.86	34
17.1	41.606	61	52.06	45	22.906	235	45.10	286	52.454	66	23.38	30	13.986	75	25.20	53
27.1	41.545	14	51.61	35	22.671	167	42.24	318	52.388	19	23.08	19	13.911	31	25.73	71
Nov. 6.0	41.531	40	51.26	20	22.504	89	39.06	345	52.369	34	22.89	4	13.880	17	26.44	92
16.0	41.571	94	51.06	3	22.415	7	35.61	362	52.403	86	22.85	14	13.897	66	27.36	110
26.0	41.665	146	51.03	17	22.408	79	31.99	371	52.489	139	22.99	32	13.963	115	28.46	129
Dez. 6.0	41.811	196	51.20	36	22.487	162	28.28	368	52.628	187	23.31	51	14.078	163	29.75	144
15.9	42.007	240	51.56	56	22.649	243	24.60	354	52.815	231	23.82	70	14.241	205	31.19	155
25.9	42.247	275	52.12	74	22.892	315	21.06	328	53.046	266	24.52	85	14.446	239	32.74	160
35.9	42.522		52.86		23.207		17.78		53.312		25.37		14.685		34.34	
Mittl. Ort	39.522		53.11		24.401		33.14		50.402		25.36		12.226		31.24	
sec δ, tg δ	1.082		−0.412		1.929		+1.650		1.061		−0.356		1.002		−0.061	

Mittlere Zeit Greenw.	606) 19 Ursae min. AR.		606) Dekl.		604) γ² Normae AR.		604) Dekl.		605) ε Ophiuchi AR.		605) Dekl.		608) τ Herculis AR.		608) Dekl.	
1921	16h 12m		+76° 4′		16h 13m		−49° 57′		16h 14m		−4° 29′		16h 17m		+46° 29′	
Jan. 0.9	57.43	59	30.82	304	54.708	383	33.22	63	7.907	257	58.74	154	20.410	280	59.10	308
10.9	58.02	72	27.78	259	55.091	418	32.59	31	8.164	281	60.28	151	20.690	322	56.02	272
20.9	58.74	83	25.19	206	55.509	441	32.28	1	8.445	295	61.79	142	21.012	352	53.30	226
30.8	59.57	90	23.13	146	55.950	451	32.29	31	8.740	301	63.21	128	21.364	372	51.04	173
Feb. 9.8	60.47	95	21.67	81	56.401	453	32.60	59	9.041	301	64.49	108	21.736	380	49.31	113
19.8	61.42	95	20.86	12	56.854	446	33.19	84	9.342	296	65.57	86	22.116	378	48.18	49
März 1.7	62.37	93	20.74	56	57.300	430	34.03	106	9.638	283	66.43	60	22.494	367	47.69	15
11.7	63.30	88	21.30	119	57.730	410	35.09	124	9.921	269	67.03	33	22.861	346	47.84	77
21.7	64.18	78	22.49	178	58.140	383	36.33	141	10.190	251	67.36	7	23.207	317	48.61	136
31.7	64.96	68	24.27	229	58.523	354	37.74	154	10.441	230	67.43	18	23.524	285	49.97	186
Apr. 10.6	65.64	55	26.56	271	58.877	319	39.28	163	10.671	208	67.25	38	23.809	244	51.83	231
20.6	66.19	41	29.27	301	59.196	280	40.91	172	10.879	183	66.87	57	24.053	202	54.14	264
30.6	66.60	25	32.28	322	59.476	239	42.63	176	11.062	157	66.30	71	24.255	156	56.78	288
Mai 10.6	66.85	10	35.50	330	59.715	193	44.39	177	11.219	128	65.59	80	24.411	108	59.66	303
20.5	66.95	5	38.80	329	59.908	145	46.16	176	11.347	98	64.79	87	24.519	59	62.69	306
30.5	66.90	21	42.09	317	60.053	93	47.92	170	11.445	66	63.92	90	24.578	9	65.75	301
Juni 9.5	66.69	36	45.26	296	60.146	39	49.62	162	11.511	33	63.02	89	24.587	40	68.76	287
19.4	66.33	48	48.22	267	60.185	14	51.24	147	11.544	1	62.13	86	24.547	88	71.63	265
29.4	65.85	61	50.89	232	60.171	69	52.71	131	11.543	34	61.27	82	24.459	133	74.28	236
Juli 9.4	65.24	71	53.21	191	60.102	120	54.02	109	11.509	67	60.45	74	24.326	175	76.64	202
19.4	64.53	81	55.12	145	59.982	168	55.11	84	11.442	98	59.71	67	24.151	212	78.66	163
29.3	63.72	87	56.57	97	59.814	209	55.95	55	11.344	125	59.04	58	23.939	244	80.29	120
Aug. 8.3	62.85	92	57.54	45	59.605	242	56.50	25	11.219	146	58.46	48	23.695	269	81.49	75
18.3	61.93	95	57.99	6	59.363	264	56.75	9	11.073	162	57.98	39	23.426	286	82.24	27
28.2	60.98	96	57.93	58	59.099	275	56.66	42	10.911	171	57.59	27	23.140	294	82.51	20
Sept. 7.2	60.02	94	57.35	110	58.824	272	56.24	75	10.740	170	57.32	15	22.846	291	82.31	68
17.2	59.08	90	56.25	160	58.552	255	55.49	104	10.570	160	57.17	3	22.555	279	81.63	117
27.2	58.18	83	54.65	206	58.297	223	54.45	132	10.410	141	57.14	13	22.276	255	80.46	162
Okt. 7.1	57.35	74	52.59	249	58.074	179	53.13	153	10.269	114	57.27	29	22.021	221	78.84	206
17.1	56.61	64	50.10	288	57.895	121	51.60	169	10.155	76	57.56	46	21.800	176	76.78	246
27.1	55.97	50	47.22	321	57.774	56	49.91	177	10.079	35	58.02	65	21.624	124	74.32	282
Nov. 6.1	55.47	35	44.01	346	57.718	17	48.14	177	10.044	14	58.67	84	21.500	63	71.50	311
16.0	55.12	18	40.55	364	57.735	92	46.37	170	10.058	63	59.51	103	21.437	0	68.39	334
26.0	54.94	1	36.91	371	57.827	167	44.67	156	10.121	113	60.54	121	21.437	67	65.05	348
Dez. 6.0	54.93	16	33.20	368	57.994	237	43.11	135	10.234	160	61.75	137	21.504	131	61.57	352
15.9	55.09	34	29.52	353	58.231	300	41.76	109	10.394	203	63.12	147	21.635	195	58.05	345
25.9	55.43	50	25.99	327	58.531	353	40.67	80	10.597	238	64.59	154	21.830	249	54.60	327
35.9	55.93		22.72		58.884		39.87		10.835		66.13		22.079		51.33	
Mittl. Ort	63.34		37.32		55.220		47.10		8.354		63.84		21.914		62.94	
sec δ, tg δ	4.156		+4.034		1.554		−1.190		1.003		−0.079		1.453		+1.054	

Mittlere Zeit Greenw.	609) γ Herculis				611) γ Apodis				615) η Draconis				616) α Scorpii			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$16^h\,18^m$		$+19^\circ\,20'$		$16^h\,21^m$		$-78^\circ\,42'$		$16^h\,22^m$		$+61^\circ\,41'$		$16^h\,24^m$		$-26^\circ\,15'$	
1921	s		″		s		″		s		″		s		″	
Jan. 0.9	25.310	246	16.27	246	14.39	105	63.92	186	52.41	34	29.08	320	33.197	282	18.97	44
10.9	25.556	273	13.81	226	15.44	118	62.06	141	52.75	40	25.88	280	33.479	308	19.41	58
20.9	25.829	292	11.55	197	16.62	127	60.65	94	53.15	46	23.08	231	33.787	325	19.99	69
30.8	26.121	302	9.58	161	17.89	134	59.71	45	53.61	49	20.77	171	34.112	334	20.68	77
Feb. 9.8	26.423	304	7.97	119	19.23	136	59.26	5	54.10	51	19.06	108	34.446	335	21.45	80
19.8	26.727	300	6.78	73	20.59	136	59.31	52	54.61	52	17.98	40	34.781	331	22.25	81
März 1.7	27.027	289	6.05	25	21.95	133	59.83	97	55.13	50	17.58	28	35.112	320	23.06	79
11.7	27.316	275	5.80	22	23.28	127	60.80	138	55.63	48	17.86	93	35.432	305	23.85	74
21.7	27.591	254	6.02	67	24.55	120	62.18	177	56.11	44	18.79	156	35.737	288	24.59	69
31.7	27.845	233	6.69	108	25.75	109	63.95	210	56.55	39	20.35	208	36.025	268	25.28	63
Apr. 10.6	28.078	207	7.77	143	26.84	98	66.05	239	56.94	33	22.43	254	36.293	244	25.91	57
20.6	28.285	179	9.20	171	27.82	83	68.44	262	57.27	26	24.97	290	36.537	219	26.48	51
30.6	28.464	150	10.91	192	28.65	69	71.06	280	57.53	19	27.87	314	36.756	190	26.99	47
Mai 10.6	28.614	118	12.83	206	29.34	53	73.86	292	57.72	12	31.01	327	36.946	160	27.46	42
20.5	28.732	85	14.89	212	29.87	35	76.78	297	57.84	4	34.28	331	37.106	126	27.88	38
30.5	28.817	51	17.01	212	30.22	17	79.75	295	57.88	4	37.59	324	37.232	90	28.26	35
Juni 9.5	28.868	15	19.13	205	30.39	2	82.70	286	57.84	10	40.83	307	37.322	52	28.61	31
19.4	28.883	20	21.18	192	30.37	20	85.56	269	57.74	18	43.90	283	37.374	14	28.92	27
29.4	28.863	55	23.10	174	30.17	37	88.25	246	57.56	24	46.73	251	37.388	26	29.19	21
Juli 9.4	28.808	89	24.84	153	29.80	54	90.71	215	57.32	30	49.24	213	37.362	65	29.40	14
19.4	28.719	119	26.37	129	29.26	70	92.86	177	57.02	35	51.37	171	37.297	100	29.54	6
29.3	28.600	146	27.66	101	28.56	81	94.63	133	56.67	40	53.08	123	37.197	132	29.60	2
Aug. 8.3	28.454	168	28.67	72	27.75	92	95.96	86	56.27	42	54.31	75	37.065	159	29.58	12
18.3	28.286	183	29.39	40	26.83	98	96.82	33	55.85	45	55.06	23	36.906	179	29.46	23
28.2	28.103	192	29.79	9	25.85	101	97.15	20	55.40	46	55.29	29	36.727	188	29.23	34
Sept. 7.2	27.911	192	29.88	24	24.84	100	96.95	76	54.94	46	55.00	81	36.539	190	28.89	44
17.2	27.719	183	29.64	57	23.84	94	96.19	127	54.48	43	54.19	132	36.349	181	28.45	51
27.2	27.536	164	29.07	91	22.90	84	94.92	176	54.05	41	52.87	180	36.168	161	27.94	57
Okt. 7.1	27.372	137	28.16	123	22.06	71	93.16	219	53.64	36	51.07	227	36.007	129	27.37	61
17.1	27.235	101	26.93	154	21.35	54	90.97	253	53.28	30	48.80	269	35.878	90	26.76	59
27.1	27.134	59	25.39	184	20.81	33	88.44	279	52.98	23	46.11	305	35.788	43	26.17	54
Nov. 6.1	27.075	11	23.55	210	20.48	12	85.65	294	52.75	15	43.06	335	35.745	11	25.63	45
16.0	27.064	40	21.45	233	20.36	11	82.71	297	52.60	7	39.71	357	35.756	65	25.18	33
26.0	27.104	91	19.12	250	20.47	34	79.74	290	52.53	3	36.14	370	35.821	121	24.85	17
Dez. 6.0	27.195	140	16.62	260	20.81	56	76.84	273	52.56	12	32.44	372	35.942	173	24.68	0
15.9	27.335	186	14.02	263	21.37	77	74.11	245	52.68	21	28.72	362	36.115	220	24.68	19
25.9	27.521	224	11.39	256	22.14	94	71.66	209	52.89	29	25.10	341	36.335	259	24.87	36
35.9	27.745		8.83		23.08		69.57		53.18		21.69		36.594		25.23	
Mittl. Ort	26.042		15.78		17.15		80.77		55.05		33.89		33.613		28.58	
sec δ, tg δ	1.060		+0.351		5.113		−5.015		2.109		+1.857		1.115		−0.493	

Mittlere Zeit Greenw.	618) β Herculis AR.		618) β Herculis Dekl.		619) A Draconis AR.		619) A Draconis Dekl.	
1921	16h 26m		+21° 39′		16h 28m		+68° 56′	
Jan. 0.9	48.586	241	39.40	255	4.02	40	16.02	320
10.9	48.827	268	36.85	233	4.42	49	12.82	281
20.9	49.095	289	34.52	204	4.91	56	10.01	230
30.8	49.384	301	32.48	166	5.47	61	7.71	172
Feb. 9.8	49.685	306	30.82	123	6.08	65	5.99	108
19.8	49.991	303	29.59	75	6.73	66	4.91	40
März 1.8	50.294	294	28.84	25	7.39	65	4.51	29
11.7	50.588	279	28.59	23	8.04	62	4.80	95
21.7	50.867	262	28.82	71	8.66	56	5.75	157
31.7	51.129	240	29.53	113	9.22	50	7.32	211
Apr. 10.6	51.369	215	30.66	150	9.72	42	9.43	256
20.6	51.584	187	32.16	180	10.14	34	11.99	292
30.6	51.771	157	33.96	203	10.48	23	14.91	318
Mai 10.6	51.928	125	35.99	217	10.71	14	18.09	331
20.5	52.053	92	38.16	224	10.85	3	21.40	334
30.5	52.145	56	40.40	224	10.88	7	24.74	327
Juni 9.5	52.201	20	42.64	218	10.81	16	28.01	311
19.5	52.221	17	44.82	204	10.65	26	31.12	287
29.4	52.204	53	46.86	187	10.39	34	33.99	254
Juli 9.4	52.151	87	48.73	164	10.05	43	36.53	216
19.4	52.064	120	50.37	138	9.62	49	38.69	172
29.3	51.944	147	51.75	110	9.13	54	40.41	126
Aug. 8.3	51.797	171	52.85	78	8.59	59	41.67	76
18.3	51.626	188	53.63	46	8.00	62	42.43	24
28.3	51.438	198	54.09	12	7.38	63	42.67	28
Sept. 7.2	51.240	199	54.21	23	6.75	62	42.39	81
17.2	51.041	191	53.98	57	6.13	60	41.58	132
27.2	50.850	173	53.41	93	5.53	56	40.26	181
Okt. 7.2	50.677	147	52.48	126	4.97	51	38.45	227
17.1	50.530	112	51.22	160	4.46	43	36.18	270
27.1	50.418	70	49.62	190	4.03	35	33.48	306
Nov. 6.1	50.348	23	47.72	218	3.68	24	30.42	336
16.0	50.325	29	45.54	241	3.44	14	27.06	358
26.0	50.354	80	43.13	258	3.30	1	23.48	371
Dez. 6.0	50.434	131	40.55	269	3.29	11	19.77	373
16.0	50.565	176	37.86	272	3.40	22	16.04	363
25.9	50.741	218	35.14	266	3.62	33	12.41	342
35.9	50.959		32.48		3.95		8.99	
Mittl. Ort	49.383		38.85		7.79		20.75	
sec δ, tg δ	1.076		+0.397		2.783		+2.597	

Mittlere Zeit Greenw.	621) σ Herculis AR.		621) σ Herculis Dekl.		622) ζ Ophiuchi AR.		622) ζ Ophiuchi Dekl.	
1921	16h 31m		+42° 35′		16h 32m		−10° 24′	
Jan. 0.9	31.967	255	55.03	308	47.927	250	22.96	119
10.9	32.222	296	51.95	276	48.177	275	24.15	121
20.9	32.518	327	49.19	235	48.452	292	25.36	117
30.8	32.845	347	46.84	184	48.744	302	26.53	110
Feb. 9.8	33.192	357	45.00	127	49.046	304	27.63	96
19.8	33.549	359	43.73	66	49.350	301	28.59	79
März 1.8	33.908	350	43.07	3	49.651	293	29.38	60
11.7	34.258	335	43.04	58	49.944	281	29.98	41
21.7	34.593	311	43.62	117	50.225	265	30.39	19
31.7	34.904	283	44.79	168	50.490	247	30.58	1
Apr. 10.6	35.187	249	46.47	213	50.737	227	30.57	18
20.6	35.436	211	48.60	250	50.964	203	30.39	32
30.6	35.647	170	51.10	276	51.167	178	30.07	44
Mai 10.6	35.817	126	53.86	293	51.345	150	29.63	53
20.5	35.943	81	56.79	299	51.495	120	29.10	58
30.5	36.024	34	59.78	298	51.615	88	28.52	61
Juni 9.5	36.058	12	62.76	286	51.703	52	27.91	61
19.5	36.046	58	65.62	267	51.755	18	27.30	59
29.4	35.988	103	68.29	243	51.773	19	26.71	56
Juli 9.4	35.885	145	70.72	210	51.754	54	26.15	53
19.4	35.740	183	72.82	175	51.700	88	25.62	49
29.3	35.557	216	74.57	134	51.612	118	25.13	44
Aug. 8.3	35.341	242	75.91	92	51.494	142	24.69	39
18.3	35.099	262	76.83	46	51.352	162	24.30	34
28.3	34.837	272	77.29	0	51.190	173	23.96	29
Sept. 7.2	34.565	274	77.29	47	51.017	176	23.67	22
17.2	34.291	264	76.82	94	50.841	169	23.45	16
27.2	34.027	245	75.88	139	50.672	152	23.29	6
Okt. 7.2	33.782	214	74.49	183	50.520	125	23.23	4
17.1	33.568	174	72.66	224	50.395	91	23.27	17
27.1	33.394	125	70.42	261	50.304	49	23.44	31
Nov. 6.1	33.269	70	67.81	293	50.255	1	23.75	47
16.0	33.199	10	64.88	317	50.254	49	24.22	63
26.0	33.189	52	61.71	335	50.303	99	24.85	79
Dez. 6.0	33.241	114	58.36	341	50.402	147	25.64	96
16.0	33.355	173	54.95	339	50.549	191	26.60	108
25.9	33.528	225	51.56	325	50.740	229	27.68	117
35.9	33.753		48.31		50.969		28.85	
Mittl. Ort	33.341		57.22		48.407		29.63	
sec δ, tg δ	1.359		+0.920		1.017		−0.184	

Mittlere Zeit Greenw.	626) η Herculis				625) α Triang. austr.				627) Gr. 2377				628) ε Scorpii			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	16h 40m		+39° 4′		16h 40m		−68° 52′		16h 43m		+56° 55′		16h 45m		−34° 8′	
	s		″		s		″		s		″		s		″	
Jan. 0.9	9.964	241	17.33	304	15.53	58	49.79	173	45.569	280	18.63	330	2.004	284	53.03	11
10.9	10.205	280	14.29	276	16.11	65	48.06	134	45.849	339	15.33	295	2.288	315	52.92	—7
20.9	10.485	309	11.53	237	16.76	71	46.72	94	46.188	387	12.38	249	2.603	337	52.99	24
30.8	10.794	330	9.16	189	17.47	74	45.78	52	46.575	425	9.89	197	2.940	351	53.23	38
Feb. 9.8	11.124	341	7.27	135	18.21	76	45.26	11	47.000	447	7.92	134	3.291	357	53.61	50
19.8	11.465	344	5.92	75	18.97	77	45.15	—31	47.447	455	6.58	69	3.648	355	54.11	58
März 1.8	11.809	338	5.17	15	19.74	75	45.46	70	47.902	451	5.89	1	4.003	348	54.69	65
11.7	12.147	324	5.02	—46	20.49	73	46.16	106	48.353	435	5.88	—65	4.351	337	55.34	69
21.7	12.471	304	5.48	103	21.22	70	47.22	139	48.788	406	6.53	127	4.688	321	56.03	73
31.7	12.775	279	6.51	155	21.92	65	48.61	168	49.194	369	7.80	185	5.009	302	56.76	74
Apr. 10.6	13.054	249	8.06	200	22.57	59	50.29	195	49.563	323	9.65	233	5.311	280	57.50	76
20.6	13.303	214	10.06	236	23.16	52	52.24	217	49.886	270	11.98	272	5.591	254	58.26	77
30.6	13.517	177	12.42	264	23.68	45	54.41	234	50.156	212	14.70	302	5.845	225	59.03	77
Mai 10.6	13.694	136	15.06	282	24.13	37	56.75	247	50.368	150	17.72	320	6.070	193	59.80	78
20.5	13.830	94	17.88	291	24.50	27	59.22	254	50.518	87	20.92	330	6.263	156	60.58	79
30.5	13.924	51	20.79	291	24.77	18	61.76	255	50.605	21	24.22	327	6.419	117	61.37	77
Juni 9.5	13.975	5	23.70	281	24.95	8	64.31	251	50.626	—44	27.49	316	6.536	76	62.14	74
19.5	13.980	—39	26.51	265	25.03	—2	66.82	239	50.582	108	30.65	296	6.612	32	62.88	71
29.4	13.941	82	29.16	241	25.01	12	69.21	221	50.474	168	33.61	269	6.644	—13	63.59	64
Juli 9.4	13.859	124	31.57	213	24.89	22	71.42	198	50.306	224	36.30	235	6.631	56	64.23	55
19.4	13.735	161	33.70	178	24.67	31	73.40	166	50.082	275	38.65	195	6.575	99	64.78	45
29.3	13.574	195	35.48	141	24.36	38	75.06	130	49.807	318	40.60	152	6.476	136	65.23	31
Aug. 8.3	13.379	223	36.89	99	23.98	45	76.36	90	49.489	354	42.12	105	6.340	168	65.54	16
18.3	13.156	243	37.88	56	23.53	50	77.26	44	49.135	379	43.17	56	6.172	193	65.70	—1
28.3	12.913	255	38.44	12	23.03	53	77.70	—3	48.756	394	43.73	4	5.979	208	65.69	19
Sept. 7.2	12.658	258	38.56	—34	22.50	53	77.67	51	48.362	397	43.77	—47	5.771	213	65.50	37
17.2	12.400	251	38.22	79	21.97	51	77.16	99	47.965	387	43.30	98	5.558	207	65.13	53
27.2	12.149	233	37.43	124	21.46	46	76.17	143	47.578	364	42.32	148	5.351	188	64.60	68
Okt. 7.2	11.916	206	36.19	167	21.00	40	74.74	182	47.214	329	40.84	196	5.163	159	63.92	80
17.1	11.710	168	34.52	208	20.60	31	72.92	216	46.885	281	38.88	241	5.004	118	63.12	87
27.1	11.542	123	32.44	245	20.29	20	70.76	240	46.604	222	36.47	280	4.886	69	62.25	91
Nov. 6.1	11.419	70	29.99	277	20.09	8	68.36	255	46.382	153	33.67	314	4.817	14	61.34	88
16.0	11.349	13	27.22	303	20.01	—5	65.81	262	46.229	77	30.53	341	4.803	—45	60.46	82
26.0	11.336	—46	24.19	322	20.06	17	63.19	257	46.152	—2	27.12	359	4.848	103	59.64	71
Dez. 6.0	11.382	105	20.97	331	20.23	30	60.62	243	46.154	84	23.53	366	4.951	161	58.93	56
16.0	11.487	162	17.66	331	20.53	42	58.19	221	46.238	163	19.87	363	5.112	212	58.37	39
25.9	11.649	211	14.35	320	20.95	51	55.98	192	46.401	237	16.24	347	5.324	258	57.98	20
35.9	11.860		11.15		21.46		54.06		46.638		12.77		5.582		57.78	
Mittl. Ort	11.228		18.42		17.06		65.07		47.805		21.13		2.541		63.81	
sec δ, tg δ	1.288		+0.812		2.776		−2.589		1.832		+1.535		1.208		−0.678	

Mittlere Zeit Greenw.	629) 49 Herculis AR.	Δ	Dekl.	Δ	630) ζ² Scorpii AR.	Δ	Dekl.	Δ
1921	16ʰ 48ᵐ		+15° 6′		16ʰ 49ᵐ		−42° 13′	
Jan. 0.9	28.255	222	23.36	232	0.492	309	26.69	57
10.9	28.477	251	21.04	216	0.801	344	26.12	33
20.9	28.728	273	18.88	193	1.145	370	25.79	11
30.8	29.001	287	16.95	162	1.515	387	25.68	10
Feb. 9.8	29.288	295	15.33	125	1.902	394	25.78	29
19.8	29.583	295	14.08	84	2.296	394	26.07	46
März 1.8	29.878	290	13.24	39	2.690	388	26.53	61
11.7	30.168	280	12.85	5	3.078	377	27.14	75
21.7	30.448	266	12.90	48	3.455	360	27.89	85
31.7	30.714	249	13.38	88	3.815	339	28.74	94
Apr. 10.6	30.963	228	14.26	123	4.154	315	29.68	103
20.6	31.191	204	15.49	153	4.469	286	30.71	110
30.6	31.395	178	17.02	174	4.755	253	31.81	115
Mai 10.6	31.573	149	18.76	191	5.008	218	32.96	120
20.5	31.722	116	20.67	199	5.226	176	34.16	122
30.5	31.838	83	22.66	201	5.402	132	35.38	122
Juni 9.5	31.921	47	24.67	197	5.534	86	36.60	120
19.5	31.968	11	26.64	188	5.620	35	37.80	114
29.4	31.979	27	28.52	174	5.655	14	38.94	106
Juli 9.4	31.952	62	30.26	156	5.641	63	40.00	94
19.4	31.890	97	31.82	134	5.578	111	40.94	78
29.3	31.793	127	33.16	111	5.467	153	41.72	59
Aug. 8.3	31.666	153	34.27	84	5.314	189	42.31	38
18.3	31.513	174	35.11	57	5.125	217	42.69	14
28.3	31.339	187	35.68	28	4.908	234	42.83	11
Sept. 7.2	31.152	192	35.96	2	4.674	241	42.72	37
17.2	30.960	187	35.94	33	4.433	234	42.35	62
27.2	30.773	174	35.61	62	4.199	214	41.73	84
Okt. 7.2	30.599	150	34.99	93	3.985	182	40.89	104
17.1	30.449	119	34.06	123	3.803	137	39.85	119
27.1	30.330	80	32.83	152	3.666	84	38.66	128
Nov. 6.1	30.250	34	31.31	179	3.582	23	37.38	131
16.0	30.216	14	29.52	201	3.559	41	36.07	130
26.0	30.230	64	27.51	221	3.600	107	34.77	120
Dez. 6.0	30.294	113	25.30	234	3.707	170	33.57	106
16.0	30.407	158	22.96	240	3.877	229	32.51	89
25.9	30.565	199	20.56	239	4.106	279	31.62	68
35.9	30.764		18.17		4.385		30.94	
Mittl. Ort	29.002		20.59		1.122		38.57	
sec δ, tg δ	1.036		+0.270		1.350		−0.908	

Mittlere Zeit Greenw.	631) ζ Arae AR.	Δ	Dekl.	Δ	633) χ Ophiuchi AR.	Δ	Dekl.	Δ
1921	16ʰ 52ᵐ		−55° 51′		16ʰ 53ᵐ		+9° 29′	
Jan. 0.9	3.627	382	47.67	128	54.983	218	52.28	207
10.9	4.009	432	46.39	97	55.201	247	50.21	196
20.9	4.441	467	45.42	67	55.448	269	48.25	177
30.8	4.908	493	44.75	34	55.717	282	46.48	151
Feb. 9.8	5.401	505	44.41	3	55.999	290	44.97	119
19.8	5.906	508	44.38	27	56.289	291	43.78	83
März 1.8	6.414	502	44.65	55	56.580	287	42.95	44
11.7	6.916	489	45.20	81	56.867	279	42.51	4
21.7	7.405	468	46.01	105	57.146	265	42.47	35
31.7	7.873	441	47.06	126	57.411	249	42.82	70
Apr. 10.6	8.314	408	48.32	145	57.660	230	43.52	103
20.6	8.722	370	49.77	161	57.890	208	44.55	129
30.6	9.092	326	51.38	175	58.098	183	45.84	150
Mai 10.6	9.418	276	53.13	184	58.281	155	47.34	165
20.5	9.694	221	54.97	191	58.436	125	48.99	173
30.5	9.915	161	56.88	193	58.561	91	50.72	175
Juni 9.5	10.076	98	58.81	191	58.652	57	52.47	172
19.5	10.174	32	60.72	183	58.709	20	54.19	166
29.4	10.206	33	62.55	172	58.729	16	55.85	152
Juli 9.4	10.173	99	64.27	154	58.713	52	57.37	138
19.4	10.074	160	65.81	132	58.661	87	58.75	120
29.3	9.914	215	67.13	104	58.574	118	59.95	99
Aug. 8.3	9.699	262	68.17	73	58.456	146	60.94	78
18.3	9.437	298	68.90	38	58.310	166	61.72	55
28.3	9.139	320	69.28	1	58.144	181	62.27	30
Sept. 7.2	8.819	328	69.29	37	57.963	186	62.57	6
17.2	8.491	320	68.92	75	57.777	182	62.63	21
27.2	8.171	294	68.17	109	57.595	170	62.42	46
Okt. 7.2	7.877	253	67.08	141	57.425	147	61.96	73
17.1	7.624	196	65.67	167	57.278	117	61.23	99
27.1	7.428	128	64.00	187	57.161	78	60.24	125
Nov. 6.1	7.300	50	62.13	198	57.083	34	58.99	150
16.0	7.250	33	60.15	201	57.049	14	57.49	171
26.0	7.283	118	58.14	197	57.063	63	55.78	190
Dez. 6.0	7.401	200	56.17	186	57.126	111	53.88	203
16.0	7.601	276	54.31	166	57.237	155	51.85	212
25.9	7.877	343	52.65	142	57.392	195	49.73	213
35.9	8.220		51.23		57.587		47.60	
Mittl. Ort	4.561		61.16		55.673		48.43	
sec δ, tg δ	1.782		−1.475		1.014		+0.167	

Mittlere Zeit Greenw.	634) ε Herculis				637) η Ophiuchi			
	AR.		Dekl.		AR.		Dekl.	
1921	16h 57m		+31° 2′		17h 5m		−15° 37′	
	s		″		s		″	
Jan. 0.9	14.926	216	31.84	288	50.157	230	34.10	77
10.9	15.142	252	28.96	265	50.387	259	34.87	81
20.9	15.394	281	26.31	232	50.646	282	35.68	82
30.9	15.675	301	23.99	192	50.928	296	36.50	78
Feb. 9.8	15.976	313	22.07	142	51.224	303	37.28	70
19.8	16.289	317	20.65	90	51.527	307	37.98	60
März 1.8	16.606	314	19.75	33	51.834	303	38.58	46
11.7	16.920	306	19.42	23	52.137	296	39.04	32
21.7	17.226	291	19.65	77	52.433	286	39.36	16
31.7	17.517	272	20.42	127	52.719	272	39.52	2
Apr. 10.7	17.789	247	21.69	171	52.991	255	39.54	11
20.6	18.036	220	23.40	208	53.246	235	39.43	22
30.6	18.256	189	25.48	236	53.481	212	39.21	30
Mai 10.6	18.445	154	27.84	256	53.693	185	38.91	36
20.6	18.599	117	30.40	268	53.878	156	38.55	38
30.5	18.716	78	33.08	269	54.034	122	38.17	39
Juni 9.5	18.794	37	35.77	265	54.156	87	37.78	39
19.5	18.831	5	38.42	252	54.243	49	37.39	36
29.4	18.826	45	40.94	233	54.292	9	37.03	34
Juli 9.4	18.781	86	43.27	209	54.301	30	36.69	31
19.4	18.695	124	45.36	179	54.271	67	36.38	27
29.4	18.571	158	47.15	146	54.204	103	36.11	25
Aug. 8.3	18.413	186	48.61	111	54.101	133	35.86	23
18.3	18.227	209	49.72	72	53.968	158	35.63	22
28.3	18.018	224	50.44	32	53.810	175	35.41	21
Sept. 7.3	17.794	230	50.76	9	53.635	183	35.20	20
17.2	17.564	226	50.67	51	53.452	182	35.00	18
27.2	17.338	213	50.16	92	53.270	169	34.82	15
Okt. 7.2	17.125	190	49.24	132	53.101	147	34.67	10
17.1	16.935	157	47.92	172	52.954	116	34.57	5
27.1	16.778	116	46.20	207	52.838	76	34.52	4
Nov. 6.1	16.662	69	44.13	240	52.762	30	34.56	14
16.1	16.593	17	41.73	267	52.732	19	34.70	26
26.0	16.576	37	39.06	288	52.751	70	34.96	39
Dez. 6.0	16.613	90	36.18	301	52.821	120	35.35	52
16.0	16.703	143	33.17	305	52.941	166	35.87	64
26.0	16.846	189	30.12	299	53.107	206	36.51	75
35.9	17.035		27.13		53.313		37.26	
Mittl. Ort	15.989		30.71		50.729		41.96	
sec δ, tg δ	1.167		+0.602		1.038		−0.280	

Mittlere Zeit Greenw.	639) ζ Draconis				640) α Herculis			
	AR.		Dekl.		AR.		Dekl.	
1921	17h 8m		+65° 48′		17h 11m		+14° 28′	
	s		″		s		″	
Jan. 0.9	29.98	27	42.11	342	1.880	202	49.45	227
10.9	30.25	37	38.69	312	2.082	234	47.18	214
20.9	30.62	44	35.57	270	2.316	258	45.04	193
30.9	31.06	51	32.87	218	2.574	276	43.11	164
Feb. 9.8	31.57	55	30.69	158	2.850	287	41.47	129
19.8	32.12	57	29.11	94	3.137	291	40.18	88
März 1.8	32.69	58	28.17	25	3.428	290	39.30	46
11.7	33.27	57	27.92	43	3.718	285	38.84	1
21.7	33.84	54	28.35	107	4.003	274	38.83	42
31.7	34.38	50	29.42	168	4.277	260	39.25	83
Apr. 10.7	34.88	45	31.10	221	4.537	243	40.08	118
20.6	35.33	38	33.31	265	4.780	221	41.26	149
30.6	35.71	30	35.96	299	5.001	196	42.75	173
Mai 10.6	36.01	22	38.95	322	5.197	169	44.48	190
20.6	36.23	13	42.17	336	5.366	139	46.38	201
30.5	36.36	4	45.53	339	5.505	104	48.39	204
Juni 9.5	36.40	4	48.92	332	5.609	68	50.43	202
19.5	36.36	14	52.24	315	5.677	31	52.45	194
29.4	36.22	21	55.39	292	5.708	7	54.39	181
Juli 9.4	36.01	30	58.31	261	5.701	45	56.20	163
19.4	35.71	37	60.92	224	5.656	82	57.83	144
29.4	35.34	43	63.16	181	5.574	116	59.27	120
Aug. 8.3	34.91	48	64.97	136	5.458	144	60.47	95
18.3	34.43	52	66.33	86	5.314	169	61.42	68
28.3	33.91	55	67.19	34	5.145	185	62.10	39
Sept. 7.3	33.36	56	67.53	17	4.960	193	62.49	11
17.2	32.80	55	67.36	71	4.767	192	62.60	20
27.2	32.25	53	66.65	122	4.575	183	62.40	50
Okt. 7.2	31.72	50	65.43	173	4.392	162	61.90	80
17.1	31.22	44	63.70	220	4.230	133	61.10	110
27.1	30.78	36	61.50	263	4.097	97	60.00	139
Nov. 6.1	30.42	29	58.87	301	4.000	54	58.61	166
16.1	30.13	20	55.86	333	3.946	6	56.95	190
26.0	29.93	10	52.53	354	3.940	41	55.05	210
Dez. 6.0	29.83	1	48.99	367	3.981	91	52.95	224
16.0	29.84	12	45.32	368	4.072	136	50.71	233
26.0	29.96	22	41.64	357	4.208	179	48.38	233
35.9	30.18		38.07		4.387		46.05	
Mittl. Ort	33.28		42.66		2.664		45.54	
sec δ, tg δ	2.441		+2.226		1.033		+0.258	

Mittlere Zeit Greenw.	641) δ Herculis AR.		641) δ Herculis Dekl.		643) π Herculis AR.		643) π Herculis Dekl.		644) ϑ Ophiuchi AR.		644) ϑ Ophiuchi Dekl.		645) β Arae AR.		645) β Arae Dekl.	
1921	$17^h 11^m$		$+24° 55'$		$17^h 12^m$		$+36° 53'$		$17^h 17^m$		$-24° 55'$		$17^h 18^m$		$-55° 27'$	
Jan. 0.9	46.214	200	55.94	269	16.450	203	52.19	307	8.722	235	9.98	19	42.600	343	12.57	149
10.9	46.414	235	53.25	252	16.653	246	49.12	283	8.957	266	10.17	28	42.943	396	11.08	124
20.9	46.649	263	50.73	223	16.899	278	46.29	250	9.223	292	10.45	36	43.339	438	9.84	97
30.9	46.912	284	48.50	188	17.177	305	43.79	208	9.515	309	10.81	39	43.777	468	8.87	67
Feb. 9.8	47.196	296	46.62	145	17.482	321	41.71	157	9.824	318	11.20	41	44.245	489	8.20	38
19.8	47.492	303	45.17	96	17.803	330	40.14	101	10.142	324	11.61	40	44.734	498	7.82	10
März 1.8	47.795	302	44.21	45	18.133	331	39.13	42	10.466	322	12.01	36	45.232	500	7.72	17
11.8	48.097	297	43.76	8	18.464	325	38.71	18	10.788	317	12.37	32	45.732	493	7.89	44
21.7	48.394	285	43.84	59	18.789	312	38.89	77	11.105	308	12.69	26	46.225	479	8.33	69
31.7	48.679	270	44.43	106	19.101	294	39.66	130	11.413	295	12.95	21	46.704	459	9.02	91
Apr. 10.7	48.949	250	45.49	148	19.395	270	40.96	178	11.708	279	13.16	16	47.163	432	9.93	113
20.6	49.199	227	46.97	185	19.665	242	42.74	219	11.987	259	13.32	13	47.595	398	11.06	132
30.6	49.426	199	48.82	213	19.907	208	44.93	251	12.246	236	13.45	11	47.993	359	12.38	149
Mai 10.6	49.625	168	50.95	233	20.115	172	47.44	273	12.482	208	13.56	11	48.352	314	13.87	163
20.6	49.793	135	53.28	245	20.287	131	50.17	288	12.690	178	13.67	10	48.666	261	15.50	175
30.5	49.928	97	55.73	250	20.418	90	53.05	292	12.868	142	13.77	13	48.927	203	17.25	181
Juni 9.5	50.025	59	58.23	246	20.508	44	55.97	289	13.010	105	13.90	14	49.130	141	19.06	185
19.5	50.084	19	60.69	237	20.552	0	58.86	277	13.115	63	14.04	15	49.271	75	20.91	183
29.5	50.103	21	63.06	221	20.552	46	61.63	258	13.178	21	14.19	16	49.346	8	22.74	176
Juli 9.4	50.082	61	65.27	200	20.506	89	64.21	233	13.199	21	14.35	16	49.354	60	24.50	164
19.4	50.021	99	67.27	175	20.417	132	66.54	203	13.178	63	14.51	15	49.294	126	26.14	147
29.4	49.922	134	69.02	145	20.285	168	68.57	168	13.115	102	14.66	11	49.168	185	27.61	124
Aug. 8.3	49.788	164	70.47	114	20.117	202	70.25	130	13.013	136	14.77	6	48.983	238	28.85	96
18.3	49.624	189	71.61	79	19.915	227	71.55	90	12.877	164	14.83	0	48.745	280	29.81	64
28.3	49.435	205	72.40	43	19.688	244	72.45	46	12.713	184	14.83	8	48.465	311	30.45	30
Sept. 7.3	49.230	213	72.83	6	19.444	254	72.91	2	12.529	195	14.75	15	48.154	326	30.75	8
17.2	49.017	213	72.89	31	19.190	253	72.93	43	12.334	194	14.60	24	47.828	326	30.67	45
27.2	48.804	202	72.58	70	18.937	241	72.50	88	12.140	184	14.36	30	47.502	309	30.22	82
Okt. 7.2	48.602	183	71.88	107	18.696	219	71.62	132	11.956	162	14.06	36	47.193	274	29.40	116
17.2	48.419	152	70.81	143	18.477	187	70.30	174	11.794	130	13.70	39	46.919	226	28.24	145
27.1	48.267	115	69.38	178	18.290	148	68.56	214	11.664	89	13.31	39	46.693	163	26.79	169
Nov. 6.1	48.152	70	67.60	209	18.142	99	66.42	249	11.575	41	12.92	35	46.530	90	25.10	186
16.1	48.082	22	65.51	237	18.043	46	63.93	279	11.534	10	12.57	29	46.440	11	23.24	196
26.0	48.060	30	63.14	258	17.997	11	61.14	302	11.544	64	12.28	20	46.429	72	21.28	197
Dez. 6.0	48.090	80	60.56	273	18.008	67	58.12	317	11.608	116	12.08	9	46.501	154	19.31	192
16.0	48.170	130	57.83	280	18.075	122	54.95	323	11.724	165	11.99	2	46.655	232	17.39	179
26.0	48.300	174	55.03	278	18.197	174	51.72	317	11.889	209	12.01	14	46.887	301	15.60	161
35.9	48.474		52.25		18.371		48.55		12.098		12.15		47.188		13.99	
Mittl. Ort	47.166		53.20		17.697		50.60		9.341		19.03		43.711		24.91	
sec δ, tg δ	1.103		+0.465		1.250		+0.751		1.103		−0.465		1.764		−1.453	

Mittlere Zeit Greenw.	648) δ Arae				651) α Arae				652) λ Scorpii				653) β Draconis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	17h 23m		−60° 36′		17h 25m		−49° 48′		17h 28m		−37° 2′		17h 28m		+52° 21′	
1921	s		″		s		″		s		″		s		″	
Jan. 0.9	56.40	38	58.12	178	42.917	300	43.16	126	13.727	251	40.93	58	36.867	198	35.40	341
10.9	56.78	44	56.34	152	43.217	348	41.90	104	13.978	288	40.35	42	37.065	258	31.99	316
20.9	57.22	49	54.82	122	43.565	385	40.86	82	14.266	319	39.93	28	37.323	309	28.83	280
30.9	57.71	53	53.60	91	43.950	413	40.04	57	14.585	341	39.65	14	37.632	349	26.03	235
Feb. 9.8	58.24	55	52.69	57	44.363	431	39.47	33	14.926	354	39.51	2	37.981	381	23.68	180
19.8	58.79	57	52.12	26	44.794	441	39.14	10	15.280	362	39.49	9	38.362	401	21.88	119
März 1.8	59.36	57	51.86	7	45.235	442	39.04	12	15.642	363	39.58	19	38.763	408	20.69	54
11.8	59.93	56	51.93	37	45.677	439	39.16	33	16.005	360	39.77	26	39.171	407	20.15	12
21.7	60.49	55	52.30	67	46.116	427	39.49	53	16.365	352	40.03	34	39.578	394	20.27	77
31.7	61.04	53	52.97	95	46.543	412	40.02	71	16.717	339	40.37	41	39.972	373	21.04	138
Apr. 10.7	61.57	50	53.92	120	46.955	389	40.73	89	17.056	322	40.78	48	40.345	342	22.42	192
20.6	62.07	46	55.12	143	47.344	363	41.62	105	17.378	301	41.26	54	40.687	305	24.34	239
30.6	62.53	42	56.55	164	47.707	329	42.67	120	17.679	276	41.80	61	40.992	260	26.73	276
Mai 10.6	62.95	36	58.19	182	48.036	291	43.87	132	17.955	246	42.41	68	41.252	210	29.49	304
20.6	63.31	30	60.01	195	48.327	245	45.19	142	18.201	210	43.09	74	41.462	157	32.53	322
30.5	63.61	23	61.96	204	48.572	196	46.61	150	18.411	171	43.83	78	41.619	98	35.75	330
Juni 9.5	63.84	16	64.00	209	48.768	142	48.11	154	18.582	128	44.61	82	41.717	39	39.05	328
19.5	64.00	9	66.09	207	48.910	84	49.65	154	18.710	81	45.43	84	41.756	21	42.33	318
29.5	64.09	0	68.16	202	48.994	23	51.19	150	18.791	32	46.27	83	41.735	82	45.51	298
Juli 9.4	64.09	7	70.18	188	49.017	36	52.69	141	18.823	18	47.10	79	41.653	138	48.49	273
19.4	64.02	14	72.06	170	48.981	95	54.10	128	18.805	65	47.89	72	41.515	192	51.22	240
29.4	63.88	22	73.76	145	48.886	150	55.38	109	18.740	111	48.61	62	41.323	241	53.62	203
Aug. 8.3	63.66	28	75.21	115	48.736	198	56.47	86	18.629	151	49.23	49	41.082	282	55.65	160
18.3	63.38	32	76.36	80	48.538	238	57.33	60	18.478	184	49.72	33	40.800	318	57.25	114
28.3	63.06	37	77.16	42	48.300	266	57.93	29	18.294	209	50.05	14	40.482	341	58.39	67
Sept. 7.3	62.69	38	77.58	0	48.034	282	58.22	2	18.085	223	50.19	5	40.141	354	59.06	16
17.2	62.31	39	77.58	42	47.752	284	58.20	35	17.862	225	50.14	26	39.787	357	59.22	34
27.2	61.92	36	77.16	82	47.468	271	57.85	66	17.637	215	49.88	45	39.430	346	58.88	86
Okt. 7.2	61.56	33	76.34	122	47.197	243	57.19	96	17.422	192	49.43	63	39.084	323	58.02	136
17.2	61.23	27	75.12	156	46.954	200	56.23	122	17.230	157	48.80	78	38.761	289	56.66	184
27.1	60.96	21	73.56	184	46.754	146	55.01	143	17.073	114	48.02	89	38.472	242	54.82	229
Nov. 6.1	60.75	12	71.72	205	46.608	82	53.58	158	16.959	61	47.13	96	38.230	187	52.53	270
16.1	60.63	3	69.67	218	46.526	13	52.00	166	16.898	4	46.17	98	38.043	124	49.83	304
26.0	60.60	6	67.49	223	46.513	61	50.34	168	16.894	56	45.19	95	37.919	54	46.79	331
Dez. 6.0	60.66	15	65.26	219	46.574	133	48.66	162	16.950	115	44.24	88	37.865	17	43.48	349
16.0	60.81	25	63.07	208	46.707	201	47.04	151	17.065	170	43.36	77	37.882	88	39.99	356
26.0	61.06	33	60.99	190	46.908	264	45.53	135	17.235	221	42.59	64	37.970	157	36.43	352
35.9	61.39		59.09		47.172		44.18		17.456		41.95		38.127		32.91	
Mittl. Ort	57.79		70.65		43.891		54.68		14.476		51.12		38.817		33.50	
sec δ, tg δ	2.038		−1.776		1.550		−1.184		1.253		−0.755		1.637		+1.297	

Mittlere Zeit Greenw.	656) α Ophiuchi AR.		656) α Ophiuchi Dekl.		654) ϑ Scorpii AR.		654) ϑ Scorpii Dekl.		658) ξ Serpentis AR.		658) ξ Serpentis Dekl.		663) ι Herculis AR.		663) ι Herculis Dekl.	
1921	$17^h\ 31^m$		$+12°\ 36'$		$17^h\ 31^m$		$-42°\ 56'$		$17^h\ 33^m$		$-15°\ 20'$		$17^h\ 37^m$		$+46°\ 2'$	
Jan. 1.0	15.195	185	64.17	217	37.501	265	46.10	93	3.054	205	52.40	66	12.440	179	54.28	331
10.9	15.380	218	62.00	206	37.766	307	45.17	75	3.259	237	53.06	70	12.619	232	50.97	310
20.9	15.598	244	59.94	188	38.073	341	44.42	58	3.496	263	53.76	69	12.851	276	47.87	278
30.9	15.842	265	58.06	162	38.414	365	43.84	39	3.759	281	54.45	65	13.127	313	45.09	235
Feb. 9.8	16.107	277	56.44	129	38.779	382	43.45	22	4.040	293	55.10	56	13.440	340	42.74	183
19.8	16.384	286	55.15	91	39.161	391	43.23	6	4.333	300	55.66	46	13.780	358	40.91	126
März 1.8	16.670	289	54.24	50	39.552	393	43.17	9	4.633	301	56.12	31	14.138	367	39.65	63
11.8	16.959	285	53.74	8	39.945	391	43.26	25	4.934	299	56.43	17	14.505	366	39.02	2
21.7	17.244	279	53.66	35	40.336	382	43.51	38	5.233	293	56.60	1	14.871	358	39.04	64
31.7	17.523	269	54.01	74	40.718	369	43.89	50	5.526	284	56.61	12	15.229	342	39.68	124
Apr. 10.7	17.792	253	54.75	110	41.087	352	44.39	62	5.810	270	56.49	26	15.571	317	40.92	177
20.7	18.045	235	55.85	141	41.439	329	45.01	74	6.080	253	56.23	36	15.888	288	42.69	224
30.6	18.280	213	57.26	165	41.768	301	45.75	85	6.333	232	55.87	43	16.176	251	44.93	263
Mai 10.6	18.493	187	58.91	183	42.069	268	46.60	94	6.565	209	55.44	48	16.427	209	47.56	290
20.6	18.680	158	60.74	195	42.337	230	47.54	103	6.774	179	54.96	50	16.636	163	50.46	310
30.5	18.838	125	62.69	199	42.567	186	48.57	111	6.953	148	54.46	50	16.799	114	53.56	319
Juni 9.5	18.963	89	64.68	198	42.753	139	49.68	114	7.101	112	53.96	47	16.913	61	56.75	320
19.5	19.052	51	66.66	192	42.892	88	50.82	117	7.213	73	53.49	43	16.974	9	59.95	310
29.5	19.103	12	68.58	180	42.980	35	51.99	115	7.286	33	53.06	38	16.983	45	63.05	294
Juli 9.4	19.115	27	70.38	164	43.015	19	53.14	109	7.319	8	52.68	32	16.938	98	65.99	270
19.4	19.088	66	72.02	145	42.996	72	54.23	100	7.311	48	52.36	28	16.840	147	68.69	240
29.4	19.022	101	73.47	124	42.924	121	55.23	87	7.263	87	52.08	23	16.693	192	71.09	205
Aug. 8.4	18.921	133	74.71	100	42.803	165	56.10	69	7.176	120	51.85	19	16.501	232	73.14	165
18.3	18.788	160	75.71	74	42.638	203	56.79	49	7.056	149	51.66	16	16.269	265	74.79	122
28.3	18.628	179	76.45	47	42.435	229	57.28	25	6.907	171	51.50	14	16.004	289	76.01	76
Sept. 7.3	18.449	191	76.92	20	42.206	245	57.53	0	6.736	183	51.36	12	15.715	304	76.77	28
17.2	18.258	192	77.12	9	41.961	247	57.53	26	6.553	186	51.24	10	15.411	307	77.05	21
27.2	18.066	186	77.03	37	41.714	238	57.27	51	6.367	178	51.14	8	15.104	299	76.84	70
Okt. 7.2	17.880	169	76.66	67	41.476	214	56.76	75	6.189	161	51.06	4	14.805	281	76.14	119
17.2	17.711	143	75.99	95	41.262	177	56.01	96	6.028	133	51.02	1	14.524	250	74.95	167
27.1	17.568	109	75.04	123	41.085	130	55.05	113	5.895	97	51.03	7	14.274	210	73.28	210
Nov. 6.1	17.459	68	73.81	150	40.955	74	53.92	123	5.798	53	51.10	16	14.064	160	71.18	252
16.1	17.391	23	72.31	174	40.881	12	52.69	129	5.745	7	51.26	25	13.904	105	68.66	286
26.1	17.368	24	70.57	194	40.869	53	51.40	130	5.738	43	51.51	36	13.799	43	65.80	313
Dez. 6.0	17.392	72	68.63	210	40.922	116	50.10	124	5.781	92	51.87	47	13.756	19	62.67	334
16.0	17.464	119	66.53	219	41.038	177	48.86	114	5.873	139	52.34	57	13.775	83	59.33	343
26.0	17.583	159	64.34	222	41.215	233	47.72	100	6.012	180	52.91	65	13.858	144	55.90	340
35.9	17.742		62.12		41.448		46.72		6.192		53.56		14.002		52.50	
Mittl. Ort	15.987		59.19		38.352		56.76		3.699		60.26		14.046		51.36	
sec δ, tg δ	1.025		+0.224		1.366		−0.931		1.037		−0.275		1.441		+1.037	

Mittlere Zeit Greenw.	664) ω Draconis AR.		664) ω Draconis Dekl.		661) η Pavonis AR.		661) η Pavonis Dekl.		665) β Ophiuchi AR.		665) β Ophiuchi Dekl.		670) ψ Draconis AR.		670) ψ Draconis Dekl.	
1921	17h 37m		+68° 47′		17h 37m		−64° 40′		17h 39m		+4° 35′		17h 43m		+72° 11′	
Jan. 1.0	20.85	22	42.87	350	56.71	39	64.08	209	33.423	181	62.87	175	15.72	22	19.68	351
10.9	21.07	34	39.37	326	57.10	47	61.99	183	33.604	214	61.12	168	15.94	36	16.17	329
20.9	21.41	43	36.11	291	57.57	53	60.16	154	33.818	239	59.44	155	16.30	48	12.88	295
30.9	21.84	51	33.20	244	58.10	58	58.62	122	34.057	260	57.89	135	16.78	57	9.93	250
Feb. 9.8	22.35	57	30.76	189	58.68	62	57.40	87	34.317	273	56.54	109	17.35	66	7.43	195
19.8	22.92	62	28.87	127	59.30	63	56.53	53	34.590	282	55.45	78	18.01	71	5.48	135
März 1.8	23.54	64	27.60	60	59.93	65	56.00	18	34.872	285	54.67	45	18.72	75	4.13	68
11.8	24.18	65	27.00	—8	60.58	65	55.82	—17	35.157	284	54.22	9	19.47	75	3.45	1
21.7	24.83	63	27.08	75	61.23	63	55.99	49	35.441	279	54.13	—25	20.22	74	3.44	—66
31.7	25.46	59	27.83	137	61.86	61	56.48	82	35.720	269	54.38	59	20.96	70	4.10	129
Apr. 10.7	26.05	54	29.20	194	62.47	58	57.30	111	35.989	257	54.97	88	21.66	64	5.39	186
20.7	26.59	48	31.14	243	63.05	54	58.41	139	36.246	241	55.85	114	22.30	56	7.25	236
30.6	27.07	39	33.57	284	63.59	49	59.80	163	36.487	221	56.99	135	22.86	46	9.61	277
Mai 10.6	27.46	31	36.41	312	64.08	43	61.43	185	36.708	196	58.34	149	23.32	36	12.38	307
20.6	27.77	20	39.53	333	64.51	37	63.28	202	36.904	169	59.83	159	23.68	24	15.45	329
30.5	27.97	11	42.86	342	64.88	28	65.30	216	37.073	137	61.42	163	23.92	12	18.74	340
Juni 9.5	28.08	0	46.28	342	65.16	21	67.46	223	37.210	102	63.05	161	24.04	0	22.14	340
19.5	28.08	9	49.70	332	65.37	11	69.69	226	37.312	66	64.66	156	24.04	12	25.54	332
29.5	27.99	20	53.02	314	65.48	3	71.95	221	37.378	26	66.22	146	23.92	24	28.86	314
Juli 9.4	27.79	30	56.16	288	65.51	—7	74.16	210	37.404	—13	67.68	133	23.68	35	32.00	290
19.4	27.49	38	59.04	256	65.44	15	76.26	193	37.391	52	69.01	118	23.33	45	34.90	259
29.4	27.11	46	61.60	217	65.29	24	78.19	168	37.339	88	70.19	101	22.88	55	37.49	221
Aug. 8.4	26.65	52	63.77	174	65.05	31	79.87	139	37.251	121	71.20	82	22.33	63	39.70	179
18.3	26.13	58	65.51	127	64.74	37	81.26	103	37.130	149	72.02	62	21.70	69	41.49	133
28.3	25.55	62	66.78	78	64.37	41	82.29	63	36.981	170	72.64	42	21.01	73	42.82	84
Sept. 7.3	24.93	64	67.56	26	63.96	45	82.92	19	36.811	182	73.06	22	20.28	77	43.66	32
17.2	24.29	65	67.82	—28	63.51	44	83.11	—26	36.629	186	73.28	0	19.51	78	43.98	—20
27.2	23.64	63	67.54	79	63.07	44	82.85	71	36.443	181	73.28	—23	18.73	76	43.78	72
Okt. 7.2	23.01	60	66.75	132	62.63	40	82.14	115	36.262	164	73.05	44	17.97	73	43.06	125
17.2	22.41	55	65.43	182	62.23	34	80.99	153	36.098	139	72.61	66	17.24	67	41.81	175
27.1	21.86	49	63.61	230	61.89	26	79.46	187	35.959	107	71.95	89	16.57	60	40.06	223
Nov. 6.1	21.37	40	61.31	271	61.63	18	77.59	213	35.852	67	71.06	111	15.97	51	37.83	266
16.1	20.97	31	58.60	308	61.45	8	75.46	232	35.785	23	69.95	130	15.46	39	35.17	304
26.1	20.66	19	55.52	337	61.37	—3	73.14	240	35.762	—24	68.65	149	15.07	27	32.13	332
Dez. 6.0	20.47	8	52.15	356	61.40	14	70.74	242	35.786	71	67.16	163	14.80	14	28.81	353
16.0	20.39	—3	48.59	364	61.54	24	68.32	235	35.857	115	65.53	174	14.66	—1	25.28	363
26.0	20.42	16	44.95	360	61.78	33	65.97	218	35.972	157	63.79	177	14.67	14	21.65	362
35.9	20.58		41.35		62.11		63.79		36.129		62.02		14.81		18.03	
Mittl. Ort	24.69		40.58		58.49		76.14		34.150		56.87		20.37		16.81	
sec δ, tg δ	2.765		+2.577		2.339		−2.114		1.003		+0.080		3.269		+3.112	

Mittlere Zeit Greenw.	667) μ Herculis AR.		Dekl.		671) ξ Draconis AR.		Dekl.		675) 35 Draconis AR.		Dekl.		672) ϑ Herculis AR.		Dekl.	
	$17^h 43^m$		$+27° 45'$		$17^h 52^m$		$+56° 52'$		$17^h 52^m$		$+76° 58'$		$17^h 53^m$		$+37° 15'$	
1921	s		"		s		"		s		"		s		"	
Jan. 1.0	20.896	168	61.90	281	7.488	166	68.52	348	52.46	23	31.07	347	31.322	156	41.23	311
10.9	21.064	207	59.09	266	7.654	237	65.04	330	52.69	41	27.60	329	31.478	203	38.12	294
20.9	21.271	240	56.43	241	7.891	299	61.74	299	53.10	58	24.31	296	31.681	241	35.18	267
30.9	21.511	265	54.02	207	8.190	353	58.75	255	53.68	72	21.35	255	31.922	274	32.51	231
Feb. 9.9	21.776	285	51.95	164	8.543	394	56.20	204	54.40	84	18.80	202	32.196	298	30.20	184
19.8	22.061	297	50.31	116	8.937	424	54.16	144	55.24	93	16.78	143	32.494	316	28.36	132
März 1.8	22.358	304	49.15	64	9.361	443	52.72	80	56.17	98	15.35	78	32.810	326	27.04	74
11.8	22.662	303	48.51	10	9.804	448	51.92	12	57.15	101	14.57	12	33.136	329	26.30	14
21.7	22.965	299	48.41	45	10.252	442	51.80	53	58.16	99	14.45	55	33.465	325	26.16	46
31.7	23.264	288	48.86	95	10.694	425	52.33	117	59.15	94	15.00	117	33.790	315	26.62	102
Apr. 10.7	23.552	272	49.81	141	11.119	396	53.50	175	60.09	86	16.17	176	34.105	298	27.64	154
20.7	23.824	252	51.22	182	11.515	358	55.25	226	60.95	76	17.93	226	34.403	277	29.18	200
30.6	24.076	227	53.04	215	11.873	312	57.51	268	61.71	63	20.19	268	34.680	248	31.18	237
Mai 10.6	24.303	197	55.19	239	12.185	258	60.19	300	62.34	49	22.87	301	34.928	215	33.55	267
20.6	24.500	165	57.58	256	12.443	199	63.19	324	62.83	33	25.88	324	35.143	177	36.22	287
30.6	24.665	127	60.14	264	12.642	135	66.43	336	63.16	17	29.12	336	35.320	136	39.09	299
Juni 9.5	24.792	88	62.78	265	12.777	68	69.79	340	63.33	0	32.48	340	35.456	91	42.08	301
19.5	24.880	46	65.43	259	12.845	1	73.19	333	63.33	16	35.88	333	35.547	45	45.09	295
29.5	24.926	2	68.02	245	12.844	69	76.52	318	63.17	33	39.21	318	35.592	4	48.04	282
Juli 9.4	24.928	41	70.47	225	12.775	135	79.70	296	62.84	48	42.39	296	35.588	51	50.86	262
19.4	24.887	82	72.72	202	12.640	198	82.66	267	62.36	62	45.35	266	35.537	98	53.48	236
29.4	24.805	122	74.74	172	12.442	256	85.33	231	61.74	75	48.01	231	35.439	141	55.84	204
Aug. 8.4	24.683	156	76.46	141	12.186	306	87.64	191	60.99	85	50.32	191	35.298	179	57.88	169
18.3	24.527	185	77.87	105	11.880	348	89.55	146	60.14	95	52.23	146	35.119	212	59.57	131
28.3	24.342	208	78.92	68	11.532	381	91.01	98	59.19	102	53.69	98	34.907	237	60.88	88
Sept. 7.3	24.134	221	79.60	30	11.151	400	91.99	48	58.17	105	54.67	48	34.670	253	61.76	45
17.3	23.913	226	79.90	10	10.751	409	92.47	3	57.12	107	55.15	3	34.417	260	62.21	0
27.2	23.687	220	79.80	50	10.342	403	92.44	57	56.05	107	55.12	56	34.157	255	62.21	46
Okt. 7.2	23.467	205	79.30	90	9.939	385	91.87	108	54.98	102	54.56	108	33.902	242	61.75	92
17.2	23.262	179	78.40	129	9.554	353	90.79	159	53.96	96	53.48	158	33.660	216	60.83	136
27.1	23.083	146	77.11	166	9.201	308	89.20	207	53.00	87	51.90	207	33.444	182	59.47	178
Nov. 6.1	22.937	105	75.45	202	8.893	252	87.13	251	52.13	74	49.83	251	33.262	140	57.69	218
16.1	22.832	58	73.43	232	8.641	187	84.62	290	51.39	61	47.32	288	33.122	90	55.51	253
26.1	22.774	8	71.11	257	8.454	114	81.72	322	50.78	44	44.44	321	33.032	38	52.98	282
Dez. 6.0	22.766	43	68.54	276	8.340	37	78.50	345	50.34	27	41.23	343	32.994	17	50.16	303
16.0	22.809	93	65.78	286	8.303	41	75.05	356	50.07	7	37.80	355	33.011	72	47.13	315
26.0	22.902	140	62.92	288	8.344	120	71.49	357	50.00	11	34.25	355	33.083	125	43.98	317
36.0	23.042		60.04		8.464		67.92		50.11		30.70		33.208		40.81	
Mittl. Ort	21.933		57.51		9.750		64.64		58.99		27.18		32.596		36.66	
sec δ, tg δ	1.130		+0.526		1.830		+1.533		4.437		+4.323		1.256		+0.761	

Mittlere Zeit Greenw.	673) ν Ophiuchi AR.		Dekl.		676) γ Draconis AR.		Dekl.	
	17h 54m		−9° 45′		17h 54m		+51° 29′	
1921	s		″		s		″	
Jan. 1.0	39.911	179	46.84	90	44.391	158	55.61	343
10.9	40.090	213	47.74	91	44.549	218	52.18	324
20.9	40.303	239	48.65	86	44.767	273	48.94	295
30.9	40.542	261	49.51	76	45.040	318	45.99	253
Feb. 9.9	40.803	275	50.27	64	45.358	354	43.46	203
19.8	41.078	286	50.91	46	45.712	380	41.43	144
März 1.8	41.364	291	51.37	28	46.092	396	39.99	82
11.8	41.655	291	51.65	6	46.488	401	39.17	16
21.7	41.946	289	51.71	14	46.889	396	39.01	49
31.7	42.235	283	51.57	34	47.285	382	39.50	112
Apr. 10.7	42.518	273	51.23	52	47.667	358	40.62	168
20.7	42.791	259	50.71	67	48.025	328	42.30	219
30.6	43.050	241	50.04	77	48.353	288	44.49	261
Mai 10.6	43.291	219	49.27	85	48.641	243	47.10	293
20.6	43.510	193	48.42	88	48.884	193	50.03	317
30.6	43.703	162	47.54	89	49.077	137	53.20	329
Juni 9.5	43.865	127	46.65	85	49.214	79	56.49	333
19.5	43.992	90	45.80	80	49.293	18	59.82	327
29.5	44.082	49	45.00	73	49.311	41	63.09	313
Juli 9.4	44.131	9	44.27	65	49.270	101	66.22	292
19.4	44.140	33	43.62	55	49.169	157	69.14	263
29.4	44.107	72	43.07	46	49.012	210	71.77	229
Aug. 8.4	44.035	107	42.61	36	48.802	256	74.06	189
18.3	43.928	139	42.25	28	48.546	295	75.95	146
28.3	43.789	162	41.97	19	48.251	324	77.41	100
Sept. 7.3	43.627	178	41.78	12	47.927	343	78.41	50
17.3	43.449	184	41.66	4	47.584	352	78.91	0
27.2	43.265	180	41.62	5	47.232	347	78.91	51
Okt. 7.2	43.085	167	41.67	12	46.885	330	78.40	102
17.2	42.918	142	41.79	21	46.555	302	77.38	152
27.1	42.776	111	42.00	32	46.253	262	75.86	199
Nov. 6.1	42.665	71	42.32	42	45.991	212	73.87	244
16.1	42.594	27	42.74	54	45.779	153	71.43	281
26.1	42.567	20	43.28	66	45.626	89	68.62	314
Dez. 6.0	42.587	67	43.94	76	45.537	21	65.48	336
16.0	42.654	112	44.70	84	45.516	49	62.12	348
26.0	42.766	154	45.54	91	45.565	117	58.64	351
36.0	42.920		46.45		45.682		55.13	
Mittl. Ort	40.600		54.23		46.272		51.38	
sec δ, tg δ	1.015		−0.172		1.606		+1.257	

Mittlere Zeit Greenw.	677) 67 Ophiuchi AR.		Dekl.		679) γ Sagittarii AR.		Dekl.	
	17h 56m		+2° 56′		18h 0m		−30° 25′	
1921	s		″		s		″	
Jan. 1.0	40.543	167	9.82	162	43.143	201	26.40	37
10.9	40.710	200	8.20	156	43.344	239	26.03	29
20.9	40.910	227	6.64	145	43.583	271	25.74	21
30.9	41.137	250	5.19	127	43.854	295	25.53	16
Feb. 9.9	41.387	265	3.92	103	44.149	313	25.37	11
19.8	41.652	276	2.89	75	44.462	325	25.26	8
März 1.8	41.928	283	2.14	43	44.787	332	25.18	5
11.8	42.211	283	1.71	9	45.119	334	25.13	5
21.7	42.494	282	1.62	25	45.453	333	25.08	4
31.7	42.776	275	1.87	56	45.786	326	25.04	2
Apr. 10.7	43.051	265	2.43	85	46.112	316	25.02	0
20.7	43.316	252	3.28	110	46.428	302	25.02	2
30.6	43.568	233	4.38	130	46.730	282	25.04	7
Mai 10.6	43.801	211	5.68	145	47.012	258	25.11	14
20.6	44.012	184	7.13	154	47.270	228	25.25	19
30.6	44.196	153	8.67	157	47.498	193	25.44	27
Juni 9.5	44.349	120	10.24	157	47.691	154	25.71	33
19.5	44.469	81	11.81	152	47.845	112	26.04	40
29.5	44.550	43	13.33	142	47.957	65	26.44	45
Juli 9.4	44.593	3	14.75	130	48.022	18	26.89	48
19.4	44.596	38	16.05	115	48.040	30	27.37	48
29.4	44.558	76	17.20	99	48.010	76	27.85	47
Aug. 8.4	44.482	111	18.19	81	47.934	117	28.32	42
18.3	44.371	140	19.00	62	47.817	153	28.74	34
28.3	44.231	164	19.62	44	47.664	182	29.08	24
Sept. 7.3	44.067	180	20.06	23	47.482	201	29.32	13
17.3	43.887	185	20.29	4	47.281	209	29.45	1
27.2	43.702	183	20.33	16	47.072	206	29.44	14
Okt. 7.2	43.519	169	20.17	37	46.866	191	29.30	27
17.2	43.350	147	19.80	58	46.675	165	29.03	39
27.1	43.203	116	19.22	78	46.510	129	28.64	48
Nov. 6.1	43.087	78	18.44	99	46.381	84	28.16	53
16.1	43.009	36	17.45	118	46.297	35	27.63	57
26.1	42.973	10	16.27	135	46.262	19	27.06	55
Dez. 6.0	42.983	56	14.92	149	46.281	73	26.51	53
16.0	43.039	100	13.43	159	46.354	124	25.98	46
26.0	43.139	142	11.84	164	46.478	172	25.52	39
36.0	43.281		10.20		46.650		25.13	
Mittl. Ort	41.278		3.26		43.925		35.12	
sec δ, tg δ	1.001		+0.051		1.160		−0.587	

Mittlere Zeit Greenw.	680) 72 Ophiuchi AR.		Dekl.		681) o Herculis AR.		Dekl.	
	$18^h\ 3^m$		$+9°\ 33'$		$18^h\ 4^m$		$+28°\ 44'$	
1921	s		"		s		"	
Jan. 1.0	35.443	155	11.90	195	26.571	146	67.92	281
11.0	35.598	191	9.95	187	26.717	187	65.11	268
20.9	35.789	219	8.08	173	26.904	223	62.43	247
30.9	36.008	243	6.35	152	27.127	251	59.96	214
Feb. 9.9	36.251	261	4.83	122	27.378	274	57.82	174
19.8	36.512	273	3.61	89	27.652	291	56.08	126
März 1.8	36.785	281	2.72	51	27.943	301	54.82	75
11.8	37.066	284	2.21	12	28.244	305	54.07	20
21.8	37.350	282	2.09	28	28.549	305	53.87	35
31.7	37.632	278	2.37	66	28.854	297	54.22	87
Apr. 10.7	37.910	267	3.03	101	29.151	285	55.09	135
20.7	38.177	254	4.04	131	29.436	268	56.44	178
30.7	38.431	236	5.35	155	29.704	246	58.22	214
Mai 10.6	38.667	213	6.90	174	29.950	217	60.36	241
20.6	38.880	187	8.64	187	30.167	186	62.77	261
30.6	39.067	155	10.51	192	30.353	149	65.38	272
Juni 9.5	39.222	121	12.43	193	30.502	109	68.10	275
19.5	39.343	83	14.36	187	30.611	67	70.85	271
29.5	39.426	43	16.23	178	30.678	22	73.56	260
Juli 9.5	39.469	3	18.01	164	30.700	22	76.16	242
19.4	39.472	39	19.65	147	30.678	66	78.58	220
29.4	39.433	77	21.12	127	30.612	108	80.78	191
Aug. 8.4	39.356	112	22.39	106	30.504	145	82.69	161
18.3	39.244	144	23.45	82	30.359	178	84.30	126
28.3	39.100	167	24.27	57	30.181	203	85.56	89
Sept. 7.3	38.933	183	24.84	33	29.978	220	86.45	50
17.3	38.750	191	25.17	6	29.758	228	86.95	10
27.2	38.559	189	25.23	19	29.530	226	87.05	31
Okt. 7.2	38.370	177	25.04	46	29.304	215	86.74	71
17.2	38.193	156	24.58	73	29.089	192	86.03	112
27.2	38.037	126	23.85	98	28.897	162	84.91	151
Nov. 6.1	37.911	90	22.87	123	28.735	123	83.40	188
16.1	37.821	47	21.64	146	28.612	79	81.52	220
26.1	37.774	3	20.18	166	28.533	30	79.32	248
Dez. 6.0	37.771	43	18.52	182	28.503	19	76.84	269
16.0	37.814	89	16.70	194	28.522	70	74.15	282
26.0	37.903	130	14.76	198	28.592	117	71.33	286
36.0	38.033		12.78		28.709		68.47	
Mittl. Ort	36.232		5.54		27.629		62.33	
sec δ, tg δ	1.014		+0.168		1.141		+0.549	

Mittlere Zeit Greenw.	682) μ Sagittarii AR.		Dekl.		688) η Serpentis AR.		Dekl.	
	$18^h\ 9^m$		$-21°\ 4'$		$18^h\ 17^m$		$-2°\ 54'$	
1921	s		"		s		"	
Jan. 1.0	1.570	179	42.94	16	12.569	151	66.58	125
11.0	1.749	214	43.10	20	12.720	185	67.83	122
20.9	1.963	243	43.30	21	12.905	214	69.05	114
30.9	2.206	268	43.51	20	13.119	238	70.19	100
Feb. 9.9	2.474	285	43.71	16	13.357	256	71.19	81
19.8	2.759	297	43.87	10	13.613	269	72.00	58
März 1.8	3.056	305	43.97	2	13.882	278	72.58	33
11.8	3.361	309	43.99	7	14.160	283	72.91	5
21.8	3.670	308	43.92	16	14.443	284	72.96	23
31.7	3.978	305	43.76	24	14.727	282	72.73	50
Apr. 10.7	4.283	296	43.52	31	15.009	274	72.23	73
20.7	4.579	283	43.21	35	15.283	264	71.50	94
30.7	4.862	267	42.86	38	15.547	248	70.56	111
Mai 10.6	5.129	245	42.48	38	15.795	228	69.45	122
20.6	5.374	219	42.10	35	16.023	204	68.23	129
30.6	5.593	187	41.75	30	16.227	174	66.94	131
Juni 9.5	5.780	151	41.45	25	16.401	141	65.63	129
19.5	5.931	112	41.20	18	16.542	104	64.34	123
29.5	6.043	69	41.02	11	16.646	65	63.11	115
Juli 9.5	6.112	25	40.91	5	16.711	22	61.96	104
19.4	6.137	20	40.86	1	16.733	18	60.92	91
29.4	6.117	62	40.87	5	16.715	59	60.01	76
Aug. 8.4	6.055	102	40.92	7	16.656	97	59.25	62
18.3	5.953	137	40.99	8	16.559	129	58.63	47
28.3	5.816	165	41.07	8	16.430	155	58.16	33
Sept. 7.3	5.651	183	41.15	4	16.275	174	57.83	18
17.3	5.468	193	41.19	2	16.101	184	57.65	3
27.2	5.275	191	41.21	3	15.917	183	57.62	11
Okt. 7.2	5.084	179	41.18	6	15.734	174	57.73	27
17.2	4.905	155	41.12	9	15.560	154	58.00	41
27.2	4.750	124	41.03	10	15.406	126	58.41	56
Nov. 6.1	4.626	84	40.93	9	15.280	90	58.97	72
16.1	4.542	38	40.84	7	15.190	49	59.69	86
26.1	4.504	10	40.77	2	15.141	5	60.55	100
Dez. 6.0	4.514	59	40.75	3	15.136	40	61.55	113
16.0	4.573	108	40.78	10	15.176	84	62.68	121
26.0	4.681	151	40.88	16	15.260	126	63.89	126
36.0	4.832		41.04		15.386		65.15	
Mittl. Ort	2.303		50.94		13.296		73.76	
sec δ, tg δ	1.072		−0.386		1.001		−0.051	

Mittlere Zeit Greenw.	689) ε Sagittarii AR.		Dekl.		690) 109 Herculis AR.		Dekl.		691) ϰ Telescopii AR.		Dekl.		695) χ Draconis AR.		Dekl.	
1921	$18^h 18^m$		$-34° 25'$		$18^h 20^m$		$+21° 43'$		$18^h 21^m$		$-46° 0'$		$18^h 22^m$		$+72° 41'$	
Jan. 1.0	54.823	188	15.37	70	18.940	133	64.40	250	5.842	211	39.18	140	24.32	11	62.92	355
11.0	55.011	229	14.67	63	19.073	172	61.90	242	6.053	261	37.78	130	24.43	25	59.37	343
20.9	55.240	265	14.04	56	19.245	205	59.48	225	6.314	304	36.48	116	24.68	38	55.94	320
30.9	55.505	292	13.48	48	19.450	234	57.23	197	6.618	339	35.32	102	25.06	50	52.74	283
Feb. 9.9	55.797	314	13.00	41	19.684	256	55.26	162	6.957	365	34.30	86	25.56	60	49.91	236
19.8	56.111	330	12.59	35	19.940	274	53.64	120	7.322	386	33.44	70	26.16	68	47.55	181
März 1.8	56.441	341	12.24	30	20.214	285	52.44	74	7.708	399	32.74	54	26.84	73	45.74	119
11.8	56.782	346	11.94	25	20.499	292	51.70	25	8.107	406	32.20	37	27.57	77	44.55	53
21.8	57.128	348	11.69	20	20.791	294	51.45	25	8.513	409	31.83	20	28.34	78	44.02	15
31.7	57.476	345	11.49	14	21.085	290	51.70	73	8.922	405	31.63	3	29.12	76	44.17	79
Apr. 10.7	57.821	336	11.35	8	21.375	283	52.43	118	9.327	395	31.60	15	29.88	71	44.96	141
20.7	58.157	325	11.27	0	21.658	269	53.61	157	9.722	380	31.75	33	30.59	65	46.37	197
30.7	58.482	306	11.27	9	21.927	250	55.18	190	10.102	359	32.08	50	31.24	57	48.34	245
Mai 10.6	58.788	284	11.36	19	22.177	228	57.08	217	10.461	331	32.58	67	31.81	48	50.79	283
20.6	59.072	254	11.55	29	22.405	199	59.25	236	10.792	295	33.25	85	32.29	36	53.62	314
30.6	59.326	219	11.84	39	22.604	166	61.61	246	11.087	254	34.10	100	32.65	25	56.76	333
Juni 9.5	59.545	179	12.23	49	22.770	129	64.07	251	11.341	207	35.10	112	32.90	12	60.09	343
19.5	59.724	135	12.72	58	22.899	90	66.58	247	11.548	154	36.22	123	33.02	1	63.52	345
29.5	59.859	87	13.30	65	22.989	48	69.05	238	11.702	97	37.45	129	33.01	13	66.97	336
Juli 9.5	59.946	36	13.95	70	23.037	3	71.43	222	11.799	38	38.74	132	32.88	25	70.33	319
19.4	59.982	14	14.65	71	23.040	39	73.65	203	11.837	22	40.06	130	32.63	37	73.52	296
29.4	59.968	64	15.36	70	23.001	81	75.68	179	11.815	81	41.36	123	32.26	48	76.48	265
Aug. 8.4	59.904	109	16.06	64	22.920	119	77.47	151	11.734	133	42.59	110	31.78	57	79.13	229
18.4	59.795	151	16.70	56	22.801	152	78.98	121	11.601	182	43.69	94	31.21	65	81.42	187
28.3	59.644	182	17.26	44	22.649	180	80.19	89	11.419	221	44.63	73	30.56	72	83.29	142
Sept. 7.3	59.462	206	17.70	30	22.469	198	81.08	54	11.198	248	45.36	48	29.84	76	84.71	93
17.3	59.256	218	18.00	12	22.271	209	81.62	19	10.950	263	45.84	19	29.08	79	85.64	42
27.2	59.038	219	18.12	5	22.062	209	81.81	16	10.687	265	46.03	9	28.29	80	86.06	12
Okt. 7.2	58.819	206	18.07	23	21.853	200	81.65	53	10.422	251	45.94	39	27.49	78	85.94	65
17.2	58.613	184	17.84	39	21.653	181	81.12	89	10.171	225	45.55	66	26.71	75	85.29	118
27.2	58.429	149	17.45	54	21.472	154	80.23	124	9.946	185	44.89	92	25.96	68	84.11	169
Nov. 6.1	58.280	105	16.91	65	21.318	118	78.99	157	9.761	135	43.97	113	25.28	61	82.42	219
16.1	58.175	55	16.26	73	21.200	78	77.42	188	9.626	77	42.84	129	24.67	50	80.23	262
26.1	58.120	2	15.53	78	21.122	32	75.54	213	9.549	13	41.55	141	24.17	39	77.61	300
Dez. 6.1	58.118	53	14.75	78	21.090	14	73.41	234	9.536	51	40.14	146	23.78	26	74.61	331
16.0	58.171	107	13.97	76	21.104	60	71.07	249	9.587	115	38.68	147	23.52	12	71.30	350
26.0	58.278	158	13.21	72	21.164	106	68.58	254	9.702	175	37.21	142	23.40	2	67.80	358
36.0	58.436		12.49		21.270		66.04		9.877		35.79		23.42		64.22	
Mittl. Ort	55.696		23.73		19.869		57.78		6.953		47.90		28.95		56.11	
sec δ, tg δ	1.212		—0.685		1.076		+0.399		1.440		—1.036		3.363		+3.210	

Mittlere Zeit Greenw.	694) b Draconis AR.		694) b Draconis Dekl.		698) ζ Pavonis AR.		698) ζ Pavonis Dekl.		699) α Lyrae AR.		699) α Lyrae Dekl.		703) 110 Herculis AR.		703) 110 Herculis Dekl.	
1921	$18^h 22^m$		+58° 45′		$18^h 33^m$		−71° 29′		$18^h 34^m$		+38° 42′		$18^h 42^m$		+20° 28′	
Jan. 1.0	43.079	112	23.01	352	45.56	33	44.83	274	14.536	107	40.93	310	14.789	111	18.52	241
11.0	43.191	189	19.49	340	45.89	46	42.09	259	14.643	157	37.83	302	14.900	150	16.11	235
20.9	43.380	261	16.09	315	46.35	56	39.50	238	14.800	200	34.81	282	15.050	184	13.76	220
30.9	43.641	322	12.94	279	46.91	64	37.12	212	15.000	239	31.99	251	15.234	215	11.56	195
Feb. 9.9	43.963	376	10.15	232	47.55	72	35.00	181	15.239	272	29.48	210	15.449	239	9.61	163
19.9	44.339	417	7.83	176	48.27	77	33.19	147	15.511	297	27.38	160	15.688	260	7.98	124
März 1.8	44.756	446	6.07	115	49.04	82	31.72	110	15.808	316	25.78	106	15.948	275	6.74	80
11.8	45.202	463	4.92	48	49.86	84	30.62	73	16.124	329	24.72	46	16.223	285	5.94	33
21.8	45.665	467	4.44	18	50.70	84	29.89	34	16.453	333	24.26	13	16.508	291	5.61	16
31.7	46.132	459	4.62	84	51.54	84	29.55	5	16.786	332	24.39	73	16.799	292	5.77	64
Apr. 10.7	46.591	437	5.46	145	52.38	83	29.60	44	17.118	323	25.12	128	17.091	288	6.41	108
20.7	47.028	406	6.91	199	53.21	79	30.04	80	17.441	307	26.40	178	17.379	278	7.49	148
30.7	47.434	363	8.90	247	54.00	74	30.84	117	17.748	285	28.18	221	17.657	263	8.97	182
Mai 10.6	47.797	312	11.37	286	54.74	67	32.01	150	18.033	257	30.39	257	17.920	242	10.79	209
20.6	48.109	253	14.23	315	55.41	59	33.51	179	18.290	221	32.96	283	18.162	217	12.88	230
30.6	48.362	188	17.38	334	56.00	51	35.30	205	18.511	182	35.79	302	18.379	186	15.18	243
Juni 9.6	48.550	119	20.72	344	56.51	40	37.35	226	18.693	138	38.81	311	18.565	151	17.61	248
19.5	48.669	46	24.16	345	56.91	29	39.61	241	18.831	91	41.92	311	18.716	111	20.09	247
29.5	48.715	28	27.61	335	57.20	16	42.02	249	18.922	40	45.03	304	18.827	69	22.56	239
Juli 9.5	48.687	100	30.96	319	57.36	4	44.51	249	18.962	10	48.07	289	18.896	26	24.95	226
19.4	48.587	170	34.15	294	57.40	9	47.00	243	18.952	61	50.96	267	18.922	18	27.21	208
29.4	48.417	235	37.09	264	57.31	21	49.43	227	18.891	109	53.63	241	18.904	62	29.29	185
Aug. 8.4	48.182	294	39.73	227	57.10	33	51.70	205	18.782	153	56.04	208	18.842	101	31.14	160
18.4	47.888	345	42.00	185	56.77	43	53.75	174	18.629	192	58.12	172	18.741	137	32.74	130
28.3	47.543	386	43.85	140	56.34	51	55.49	137	18.437	224	59.84	131	18.604	168	34.04	100
Sept. 7.3	47.157	414	45.25	91	55.83	58	56.86	93	18.213	248	61.15	90	18.436	189	35.04	66
17.3	46.743	431	46.16	39	55.25	61	57.79	46	17.965	262	62.05	45	18.247	202	35.70	33
27.3	46.312	434	46.55	12	54.64	62	58.25	5	17.703	265	62.50	2	18.045	207	36.03	2
Okt. 7.2	45.878	423	46.43	66	54.02	61	58.20	56	17.438	258	62.48	49	17.838	201	36.01	37
17.2	45.455	398	45.77	119	53.41	56	57.64	105	17.180	241	61.99	95	17.637	187	35.64	73
27.2	45.057	361	44.58	171	52.85	49	56.59	153	16.939	213	61.04	141	17.450	162	34.91	107
Nov. 6.1	44.696	307	42.87	218	52.36	39	55.06	193	16.726	177	59.63	184	17.288	130	33.84	140
16.1	44.389	248	40.69	262	51.97	28	53.13	227	16.549	134	57.79	224	17.158	92	32.44	171
26.1	44.141	177	38.07	299	51.69	15	50.86	253	16.415	85	55.55	258	17.066	50	30.73	197
Dez. 6.1	43.964	100	35.08	329	51.54	2	48.33	270	16.330	32	52.97	285	17.016	6	28.76	219
16.0	43.864	19	31.79	347	51.52	12	45.63	277	16.298	21	50.12	304	17.010	40	26.57	235
26.0	43.845	62	28.32	355	51.64	26	42.86	276	16.319	75	47.08	313	17.050	84	24.22	243
36.0	43.907		24.77		51.90		40.10		16.394		43.95		17.134		21.79	
Mittl. Ort	45.428		16.35		48.68		53.57		15.807		33.55		15.683		10.92	
sec δ, tg δ	1.928		+1.648		3.151		−2.989		1.281		+0.801		1.067		+0.373	

Mittlere Zeit Greenw.	704) λ Pavonis				705) β Lyrae			
	AR.		Dekl.		AR.		Dekl.	
1921	18h 44m		−62° 16′		18h 47m		+33° 16′	
	s		″		s		″	
Jan. 1.0	52.04	23	39.92	238	8.675	97	20.68	291
11.0	52.27	31	37.54	228	8.772	141	17.77	285
21.0	52.58	38	35.26	212	8.913	182	14.92	268
30.9	52.96	44	33.14	193	9.095	219	12.24	240
Feb. 9.9	53.40	49	31.21	168	9.314	249	9.84	203
19.9	53.89	53	29.53	143	9.563	275	7.81	158
März 1.8	54.42	56	28.10	113	9.838	294	6.23	107
11.8	54.98	58	26.97	83	10.132	308	5.16	51
21.8	55.56	59	26.14	52	10.440	315	4.65	—6
31.8	56.15	59	25.62	20	10.755	316	4.71	62
Apr. 10.7	56.74	58	25.42	—13	11.071	311	5.33	116
20.7	57.32	56	25.55	44	11.382	300	6.49	164
30.7	57.88	54	25.99	76	11.682	282	8.13	205
Mai 10.7	58.42	49	26.75	106	11.964	258	10.18	241
20.6	58.91	45	27.81	134	12.222	228	12.59	267
30.6	59.36	39	29.15	159	12.450	192	15.26	285
Juni 9.6	59.75	31	30.74	180	12.642	153	18.11	295
19.5	60.06	24	32.54	196	12.795	108	21.06	296
29.5	60.30	16	34.50	207	12.903	62	24.02	290
Juli 9.5	60.46	7	36.57	212	12.965	13	26.92	278
19.5	60.53	—2	38.69	209	12.978	—35	29.70	258
29.4	60.51	10	40.78	201	12.943	81	32.28	234
Aug. 8.4	60.41	19	42.79	184	12.862	126	34.62	204
18.4	60.22	26	44.63	160	12.736	164	36.66	170
28.3	59.96	32	46.23	131	12.572	196	38.36	133
Sept. 7.3	59.64	38	47.54	95	12.376	221	39.69	93
17.3	59.26	40	48.49	54	12.155	236	40.62	52
27.3	58.86	41	49.03	12	11.919	242	41.14	8
Okt. 7.2	58.45	41	49.15	—33	11.677	238	41.22	—35
17.2	58.04	37	48.82	77	11.439	223	40.87	80
27.2	57.67	33	48.05	118	11.216	198	40.07	122
Nov. 6.2	57.34	26	46.87	155	11.018	166	38.85	164
16.1	57.08	19	45.32	186	10.852	126	37.21	202
26.1	56.89	10	43.46	211	10.726	82	35.19	235
Dez. 6.1	56.79	1	41.35	228	10.644	33	32.84	262
16.0	56.78	—9	39.07	236	10.611	17	30.22	282
26.0	56.87	17	36.71	238	10.628	65	27.40	293
36.0	57.04		34.33		10.693		24.47	
Mittl. Ort	54.05		47.66		9.782		12.59	
sec δ, tg δ	2.150		−1.903		1.196		+0.656	

Mittlere Zeit Greenw.	707) o Draconis				706) σ Sagittarii			
	AR.		Dekl.		AR.		Dekl.	
1921	18h 49m		+59° 17′		18h 50m		−26° 23′	
	s		″		s		″	
Jan. 1.0	59.925	62	38.15	349	21.209	141	39.09	33
11.0	59.987	141	34.66	344	21.350	181	38.76	31
21.0	60.128	216	31.22	326	21.531	215	38.45	31
30.9	60.344	284	27.96	296	21.746	244	38.14	32
Feb. 9.9	60.628	344	25.00	254	21.990	268	37.82	33
19.9	60.972	394	22.46	203	22.258	287	37.49	36
März 1.8	61.366	433	20.43	144	22.545	301	37.13	40
11.8	61.799	458	18.99	80	22.846	312	36.73	43
21.8	62.257	472	18.19	14	23.158	319	36.30	47
31.8	62.729	473	18.05	—51	23.477	322	35.83	50
Apr. 10.7	63.202	460	18.56	115	23.799	320	35.33	50
20.7	63.662	437	19.71	173	24.119	313	34.83	50
30.7	64.099	400	21.44	225	24.432	301	34.33	45
Mai 10.7	64.499	354	23.69	268	24.733	285	33.88	40
20.6	64.853	299	26.37	302	25.018	261	33.48	31
30.6	65.152	236	29.39	327	25.279	232	33.17	22
Juni 9.6	65.388	168	32.66	343	25.511	196	32.95	11
19.5	65.556	94	36.09	349	25.707	158	32.84	0
29.5	65.650	20	39.58	345	25.865	113	32.84	11
Juli 9.5	65.670	—56	43.03	335	25.978	66	32.95	21
19.5	65.614	129	46.38	315	26.044	19	33.16	30
29.4	65.485	200	49.53	289	26.063	—30	33.46	36
Aug. 8.4	65.285	263	52.42	256	26.033	75	33.82	39
18.4	65.022	321	54.98	218	25.958	116	34.21	40
28.3	64.701	368	57.16	175	25.842	151	34.61	38
Sept. 7.3	64.333	404	58.91	128	25.691	178	34.99	32
17.3	63.929	428	60.19	79	25.513	194	35.31	25
27.3	63.501	439	60.98	26	25.319	201	35.56	16
Okt. 7.2	63.062	436	61.24	—27	25.118	195	35.72	7
17.2	62.626	418	60.97	81	24.923	179	35.79	—4
27.2	62.208	387	60.16	134	24.744	153	35.75	13
Nov. 6.2	61.821	342	58.82	186	24.591	118	35.62	21
16.1	61.479	287	56.96	232	24.473	75	35.41	26
26.1	61.192	222	54.64	275	24.398	30	35.15	30
Dez. 6.1	60.970	149	51.89	309	24.368	—19	34.85	32
16.0	60.821	70	48.80	334	24.387	67	34.53	32
26.0	60.751	—10	45.46	349	24.454	113	34.21	31
36.0	60.761		41.97		24.567		33.90	
Mittl. Ort	62.208		29.09		22.037		46.26	
sec δ, tg δ	1.958		+1.684		1.116		−0.496	

Mittlere Zeit Greenw.	708) λ Telescopii AR.		708) λ Telescopii Dekl.		709) ϑ Serpentis pr. AR.		709) ϑ Serpentis pr. Dekl.		711) *R* Lyrae AR.		711) *R* Lyrae Dekl.		713) γ Lyrae AR.		713) γ Lyrae Dekl.	
1921	$18^h\ 52^m$		$-53°\ 2'$		$18^h\ 52^m$		$+4°\ 5'$		$18^h\ 52^m$		$+43°\ 50'$		$18^h\ 55^m$		$+32°\ 34'$	
	s		″		s		″		s		″		s		″	
Jan. 1.0	7.260	184	28.80	193	16.778	113	66.34	153	54.497	79	37.33	322	58.205	86	57.77	287
11.0	7.444	245	26.87	186	16.891	149	64.81	149	54.576	133	34.11	316	58.291	132	54.90	282
21.0	7.689	298	25.01	177	17.040	180	63.32	139	54.709	183	30.95	300	58.423	172	52.08	266
30.9	7.987	344	23.24	162	17.220	207	61.93	123	54.892	228	27.95	271	58.595	209	49.42	241
Feb. 9.9	8.331	383	21.62	145	17.427	231	60.70	101	55.120	266	25.24	232	58.804	241	47.01	204
19.9	8.714	413	20.17	126	17.658	249	59.69	73	55.386	300	22.92	183	59.045	267	44.97	161
März 1.8	9.127	436	18.91	106	17.907	264	58.96	41	55.686	325	21.09	128	59.312	288	43.36	110
11.8	9.563	452	17.85	84	18.171	274	58.55	8	56.011	342	19.81	69	59.600	303	42.26	56
21.8	10.015	462	17.01	61	18.445	281	58.47	— 27	56.353	353	19.12	6	59.903	312	41.70	0
31.8	10.477	465	16.40	36	18.726	284	58.74	60	56.706	355	19.06	— 55	60.215	315	41.70	56
Apr. 10.7	10.942	461	16.04	12	19.010	282	59.34	91	57.061	349	19.61	114	60.530	312	42.26	110
20.7	11.403	451	15.92	— 14	19.292	276	60.25	119	57.410	335	20.75	168	60.842	303	43.36	157
30.7	11.854	430	16.06	39	19.568	265	61.44	141	57.745	314	22.43	215	61.145	286	44.93	201
Mai 10.7	12.284	404	16.45	65	19.833	248	62.85	159	58.059	285	24.58	255	61.431	264	46.94	235
20.6	12.688	367	17.10	89	20.081	226	64.44	170	58.344	249	27.13	287	61.695	235	49.29	263
30.6	13.055	324	17.99	111	20.307	200	66.14	176	58.593	207	30.00	308	61.930	201	51.92	283
Juni 9.6	13.379	272	19.10	131	20.507	167	67.90	177	58.800	160	33.08	322	62.131	162	54.75	293
19.5	13.651	213	20.41	148	20.674	132	69.67	173	58.960	110	36.30	327	62.293	118	57.68	295
29.5	13.864	148	21.89	161	20.806	92	71.40	164	59.070	55	39.57	322	62.411	72	60.63	291
Juli 9.5	14.012	81	23.50	167	20.898	50	73.04	152	59.125	0	42.79	310	62.483	24	63.54	278
19.5	14.093	10	25.17	170	20.948	7	74.56	137	59.125	— 55	45.89	292	62.507	— 24	66.32	261
29.4	14.103	— 59	26.87	165	20.955	— 35	75.93	119	59.070	107	48.81	266	62.483	72	68.93	237
Aug. 8.4	14.044	125	28.52	155	20.920	75	77.12	100	58.963	157	51.47	235	62.411	116	71.30	208
18.4	13.919	185	30.07	138	20.845	111	78.12	81	58.806	200	53.82	198	62.295	155	73.38	175
28.3	13.734	235	31.45	116	20.734	142	78.93	59	58.606	237	55.80	159	62.140	189	75.13	139
Sept. 7.3	13.499	275	32.61	87	20.592	164	79.52	39	58.369	266	57.39	115	61.951	215	76.52	100
17.3	13.224	301	33.48	56	20.428	180	79.91	17	58.103	283	58.54	69	61.736	231	77.52	59
27.3	12.923	311	34.04	21	20.248	185	80.08	— 4	57.820	292	59.23	21	61.505	238	78.11	17
Okt. 7.2	12.612	305	34.25	— 16	20.063	181	80.04	25	57.528	288	59.44	— 28	61.267	236	78.28	— 27
17.2	12.307	284	34.09	52	19.882	167	79.79	46	57.240	274	59.16	77	61.031	222	78.01	71
27.2	12.023	248	33.57	87	19.715	144	79.33	67	56.966	249	58.39	126	60.809	200	77.30	113
Nov. 6.2	11.775	198	32.70	118	19.571	115	78.66	88	56.717	215	57.13	173	60.609	169	76.17	155
16.1	11.577	138	31.52	145	19.456	78	77.78	106	56.502	172	55.40	217	60.440	130	74.62	194
26.1	11.439	71	30.07	166	19.378	38	76.72	123	56.330	123	53.23	254	60.310	88	72.68	227
Dez. 6.1	11.368	— 1	28.41	180	19.340	— 4	75.49	139	56.207	69	50.69	286	60.222	40	70.41	255
16.0	11.369	72	26.61	189	19.344	47	74.10	149	56.138	14	47.83	309	60.182	— 8	67.86	275
26.0	11.441	141	24.72	192	19.391	87	72.61	155	56.124	— 43	44.74	322	60.190	56	65.11	288
36.0	11.582		22.80		19.478		71.06		56.167		41.52		60.246		62.23	
Mittl. Ort	8.719		35.94		17.531		58.76		55.891		28.55		59.278		49.19	
sec δ, tg δ	1.663		—1.329		1.003		+0.072		1.386		+0.960		1.187		+0.639	

Mittlere Zeit Greenw.	716) ζ Aquilae				717) λ Aquilae				718) α Coron. austr.				720) π Sagittarii			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	19h 1m		+13° 44′		19h 2m		−4° 59′		19h 4m		−38° 1′		19h 5m		−21° 8′	
	s		″		s		″		s		″		s		″	
Jan. 1.0	45.926	96	49.97	203	2.672	110	60.21	97	4.912	139	37.60	109	3.194	120	54.68	5
11.0	46.022	134	47.94	198	2.782	146	61.18	95	5.051	185	36.51	108	3.314	159	54.63	5
21.0	46.156	167	45.96	187	2.928	177	62.13	87	5.236	226	35.43	105	3.473	192	54.58	8
30.9	46.323	197	44.09	168	3.105	205	63.00	76	5.462	260	34.38	101	3.665	221	54.50	12
Feb. 9.9	46.520	223	42.41	140	3.310	228	63.76	59	5.722	290	33.37	95	3.886	246	54.38	18
19.9	46.743	243	41.01	107	3.538	248	64.35	38	6.012	313	32.42	89	4.132	266	54.20	26
März 1.9	46.986	261	39.94	68	3.786	263	64.73	15	6.325	333	31.53	83	4.398	282	53.94	36
11.8	47.247	274	39.26	26	4.049	274	64.88	11	6.658	347	30.70	76	4.680	295	53.58	45
21.8	47.521	282	39.00	16	4.323	283	64.77	36	7.005	357	29.94	67	4.975	304	53.13	54
31.8	47.803	287	39.16	58	4.606	287	64.41	61	7.362	363	29.27	58	5.279	308	52.59	62
Apr. 10.7	48.090	286	39.74	98	4.893	287	63.80	84	7.725	362	28.69	47	5.587	309	51.97	68
20.7	48.376	280	40.72	134	5.180	284	62.96	102	8.087	358	28.22	34	5.896	306	51.29	72
30.7	48.656	270	42.06	164	5.464	273	61.94	118	8.445	346	27.88	20	6.202	297	50.57	72
Mai 10.7	48.926	253	43.70	189	5.737	259	60.76	129	8.791	328	27.68	4	6.499	282	49.85	71
20.6	49.179	231	45.59	207	5.996	239	59.47	134	9.119	303	27.64	13	6.781	261	49.14	64
30.6	49.410	204	47.66	218	6.235	213	58.13	136	9.422	272	27.77	29	7.042	235	48.50	57
Juni 9.6	49.614	171	49.84	223	6.448	183	56.77	133	9.694	233	28.06	46	7.277	202	47.93	48
19.6	49.785	134	52.07	222	6.631	146	55.44	126	9.927	190	28.52	62	7.479	165	47.45	36
29.5	49.919	93	54.29	215	6.777	107	54.18	117	10.117	140	29.14	76	7.644	123	47.09	23
Juli 9.5	50.012	51	56.44	203	6.884	66	53.01	105	10.257	87	29.90	86	7.767	78	46.86	12
19.5	50.063	7	58.47	187	6.950	21	51.96	91	10.344	33	30.76	94	7.845	30	46.74	1
29.4	50.070	36	60.34	166	6.971	22	51.05	76	10.377	22	31.70	97	7.875	15	46.73	9
Aug. 8.4	50.034	78	62.00	144	6.949	63	50.29	61	10.355	75	32.67	97	7.860	60	46.82	16
18.4	49.956	114	63.44	119	6.886	100	49.68	47	10.280	123	33.64	92	7.800	101	46.98	22
28.4	49.842	146	64.63	92	6.786	133	49.21	30	10.157	164	34.56	81	7.699	137	47.20	25
Sept. 7.3	49.696	170	65.55	64	6.653	158	48.91	17	9.993	197	35.37	67	7.562	164	47.45	26
17.3	49.526	186	66.19	35	6.495	174	48.74	3	9.796	218	36.04	50	7.398	183	47.71	24
27.3	49.340	194	66.54	6	6.321	181	48.71	8	9.578	230	36.54	29	7.215	190	47.95	21
Okt. 7.3	49.146	191	66.60	24	6.140	179	48.79	21	9.348	226	36.83	8	7.025	189	48.16	16
17.2	48.955	179	66.36	54	5.961	166	49.00	34	9.122	212	36.91	15	6.836	176	48.32	12
27.2	48.776	158	65.82	83	5.795	144	49.34	45	8.910	185	36.76	37	6.660	153	48.44	7
Nov. 6.2	48.618	130	64.99	111	5.651	115	49.79	57	8.725	148	36.39	56	6.507	121	48.51	2
16.1	48.488	95	63.88	138	5.536	80	50.36	68	8.577	103	35.83	74	6.386	83	48.53	1
26.1	48.393	56	62.50	161	5.456	40	51.04	79	8.474	53	35.09	87	6.303	41	48.54	1
Dez. 6.1	48.337	14	60.89	181	5.416	2	51.83	89	8.421	1	34.22	97	6.262	4	48.53	2
16.1	48.323	29	59.08	195	5.418	44	52.72	95	8.422	55	33.25	104	6.266	50	48.51	2
26.0	48.352	70	57.13	204	5.462	85	53.67	100	8.477	107	32.21	106	6.316	93	48.49	1
36.0	48.422		55.09		5.547		54.67		8.584		31.15		6.409		48.48	
Mittl. Ort	46.728		41.88		3.402		67.61		5.928		44.12		3.985		61.53	
sec δ, tg δ	1.029		+0.245		1.004		−0.088		1.270		−0.782		1.072		−0.387	

Mittlere Zeit Greenw.	723) δ Draconis				724) ϑ Lyrae			
	AR.		Dekl.		AR.		Dekl.	
1921	19h 12m		+67° 31′		19h 13m		+37° 59′	
Jan. 1.0	29.36	2	32.41	347	36.378	61	41.83	300
11.0	29.34	9	28.94	349	36.439	108	38.83	299
21.0	29.43	21	25.45	337	36.547	155	35.84	286
30.9	29.64	30	22.08	313	36.702	196	32.98	261
Feb. 9.9	29.94	38	18.95	277	36.898	233	30.37	227
19.9	30.32	47	16.18	230	37.131	265	28.10	184
März 1.9	30.79	53	13.88	174	37.396	291	26.26	133
11.8	31.32	58	12.14	112	37.687	311	24.93	77
21.8	31.90	60	11.02	47	37.998	325	24.16	19
31.8	32.50	61	10.55	19	38.323	332	23.97	40
Apr. 10.8	33.11	61	10.74	84	38.655	331	24.37	97
20.7	33.72	58	11.58	145	38.986	324	25.34	150
30.7	34.30	53	13.03	200	39.310	309	26.84	196
Mai 10.7	34.83	48	15.03	249	39.619	287	28.80	237
20.6	35.31	41	17.52	288	39.906	258	31.17	268
30.6	35.72	33	20.40	318	40.164	223	33.85	291
Juni 9.6	36.05	23	23.58	339	40.387	182	36.76	307
19.6	36.28	14	26.97	352	40.569	136	39.83	313
29.5	36.42	5	30.49	354	40.705	87	42.96	312
Juli 9.5	36.47	6	34.03	348	40.792	36	46.08	303
19.5	36.41	16	37.51	335	40.828	16	49.11	286
29.4	36.25	25	40.86	313	40.812	67	51.97	264
Aug. 8.4	36.00	33	43.99	284	40.745	114	54.61	236
18.4	35.67	42	46.83	250	40.631	158	56.97	203
28.4	35.25	48	49.33	209	40.473	195	59.00	167
Sept. 7.3	34.77	53	51.42	166	40.278	225	60.67	127
17.3	34.24	57	53.08	117	40.053	246	61.94	83
27.3	33.67	60	54.25	65	39.807	256	62.77	39
Okt. 7.3	33.07	60	54.90	11	39.551	257	63.16	7
17.2	32.47	59	55.01	43	39.294	247	63.09	54
27.2	31.88	56	54.58	99	39.047	228	62.55	101
Nov. 6.2	31.32	52	53.59	153	38.819	198	61.54	146
16.1	30.80	45	52.06	204	38 621	162	60.08	188
26.1	30.35	37	50.02	251	38.459	119	58.20	226
Dez. 6.1	29.98	29	47.51	290	38.340	73	55.94	258
16.1	29.69	19	44.61	322	38.267	22	53.36	283
26.0	29.50	8	41.39	342	38.245	28	50.53	298
36.0	29.42		37.97		38.273		47.55	
Mittl. Ort	32.46		21.09		37.529		31.97	
sec δ, tg δ	2.616		+2.417		1.269		+0.781	

Mittlere Zeit Greenw.	725) ω Aquilae				726) κ Cygni			
	AR.		Dekl.		AR.		Dekl.	
1921	19h 14m		+11° 27′		19h 15m		+53° 13′	
Jan. 1.0	5.725	86	15.22	187	14.941	31	30.49	335
11.0	5.811	123	13.35	184	14.972	99	27.14	336
21.0	5.934	156	11.51	174	15.071	162	23.78	323
30.9	6.090	187	9.77	155	15.233	221	20.55	299
Feb. 9.9	6.277	213	8.22	131	15.454	275	17.56	262
19.9	6.490	235	6.91	99	15.729	320	14.94	217
März 1.9	6.725	253	5.92	63	16.049	359	12.77	161
11.8	6.978	268	5.29	24	16.408	387	11.16	101
21.8	7.246	279	5.05	17	16.795	406	10.15	37
31.8	7.525	285	5.22	57	17.201	415	9.78	27
Apr. 10.8	7.810	286	5.79	95	17.616	411	10.05	90
20.7	8.096	284	6.74	129	18.027	400	10.95	149
30.7	8.380	274	8.03	159	18.427	377	12.44	202
Mai 10.7	8.654	260	9.62	181	18.804	344	14.46	248
20.6	8.914	240	11.43	200	19.148	303	16.94	285
30.6	9.154	213	13.43	210	19.451	255	19.79	314
Juni 9.6	9.367	183	15.53	216	19.706	199	22.93	334
19.6	9.550	146	17.69	214	19.905	138	26.27	344
29.5	9.696	107	19.83	207	20.043	74	29.71	345
Juli 9.5	9.803	64	21.90	196	20.117	9	33.16	338
19.5	9.867	21	23.86	180	20.126	57	36.54	322
29.4	9.888	24	25.66	161	20.069	120	39.76	301
Aug. 8.4	9.864	64	27.27	139	19.949	180	42.77	272
18.4	9.800	103	28.66	116	19.769	234	45.49	238
28.4	9.697	136	29.82	90	19.535	279	47.87	198
Sept. 7.3	9.561	162	30.72	64	19.256	317	49.85	154
17.3	9.399	179	31.36	37	18.939	343	51.39	107
27.3	9.220	189	31.73	9	18.596	358	52.46	57
Okt. 7.3	9.031	188	31.82	19	18.238	361	53.03	5
17.2	8.843	178	31.63	46	17.877	351	53.08	48
27.2	8.665	159	31.17	73	17.526	329	52.60	102
Nov. 6.2	8.506	132	30.44	99	17.197	295	51.58	152
16.1	8.374	100	29.45	124	16.902	253	50.06	202
26.1	8.274	62	28.21	147	16.649	200	48.04	245
Dez. 6.1	8.212	22	26.74	165	16.449	141	45.59	283
16.1	8.190	20	25.09	180	16.308	78	42.76	313
26.0	8.210	60	23.29	188	16.230	11	39.63	331
36.0	8.270		21.41		16.219		36.32	
Mittl. Ort	6.494		6.93		16.668		19.65	
sec δ, tg δ	1.020		+0.203		1.670		+1.338	

Mittlere Zeit Greenw.	729) τ Draconis				728) α Sagittarii				730) δ Aquilae				732) β Cygni			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	19ʰ 16ᵐ		+73° 12′		19ʰ 18ᵐ		−40° 45′		19ʰ 21ᵐ		+2° 57′		19ʰ 27ᵐ		+27° 47′	
Jan. 1.0	60.61	7	45.25	344	23.801	124	51.25	130	30.197	85	30.18	138	31.192	57	44.13	259
11.0	60.54	7	41.81	347	23.925	172	49.95	131	30.282	122	28.80	136	31.249	99	41.54	259
21.0	60.61	22	38.34	338	24.097	215	48.64	128	30.404	155	27.44	127	31.348	139	38.95	248
31.0	60.83	35	34.96	316	24.312	253	47.36	125	30.559	183	26.17	112	31.487	175	36.47	228
Feb. 9.9	61.18	48	31.80	281	24.565	285	46.11	119	30.742	209	25.05	91	31.662	207	34.19	198
19.9	61.66	58	28.99	237	24.850	313	44.92	113	30.951	231	24.14	65	31.869	236	32.21	160
März 1.9	62.24	67	26.62	182	25.163	335	43.79	105	31.182	250	23.49	36	32.105	260	30.61	116
11.8	62.91	74	24.80	121	25.498	352	42.74	95	31.432	264	23.13	4	32.365	280	29.45	65
21.8	63.65	77	23.59	57	25.850	366	41.79	85	31.696	276	23.09	29	32.645	294	28.80	13
31.8	64.42	79	23.02	9	26.216	374	40.94	73	31.972	283	23.38	62	32.939	303	28.67	39
Apr. 10.8	65.21	78	23.11	74	26.590	376	40.21	59	32.255	286	24.00	92	33.242	307	29.06	90
20.7	65.99	75	23.85	135	26.966	374	39.62	44	32.541	285	24.92	119	33.549	304	29.96	137
30.7	66.74	69	25.20	191	27.340	364	39.18	26	32.826	278	26.11	141	33.853	294	31.33	179
Mai 10.7	67.43	61	27.11	240	27.704	348	38.92	7	33.104	265	27.52	159	34.147	279	33.12	215
20.7	68.04	52	29.51	280	28.052	324	38.85	12	33.369	247	29.11	171	34.426	256	35.27	244
30.6	68.56	41	32.31	312	28.376	294	38.97	33	33.616	223	30.82	177	34.682	227	37.71	264
Juni 9.6	68.97	29	35.43	335	28.670	255	39.30	52	33.839	193	32.59	178	34.909	193	40.35	277
19.6	69.26	16	38.78	349	28.925	211	39.82	70	34.032	158	34.37	174	35.102	153	43.12	282
29.5	69.42	3	42.27	353	29.136	160	40.52	86	34.190	120	36.11	166	35.255	109	45.94	281
Juli 9.5	69.45	10	45.80	349	29.296	106	41.38	99	34.310	78	37.77	154	35.364	64	48.75	271
19.5	69.35	22	49.29	336	29.402	49	42.37	109	34.388	34	39.31	139	35.428	15	51.46	257
29.5	69.13	34	52.65	317	29.451	8	43.46	114	34.422	9	40.70	122	35.443	31	54.03	237
Aug. 8.4	68.79	46	55.82	290	29.443	64	44.60	113	34.413	51	41.92	103	35.412	76	56.40	212
18.4	68.33	57	58.72	257	29.379	116	45.73	110	34.362	90	42.95	83	35.336	118	58.52	182
28.4	67.76	65	61.29	218	29.263	161	46.83	99	34.272	124	43.78	62	35.218	154	60.34	150
Sept. 7.3	67.11	72	63.47	175	29.102	197	47.82	84	34.148	151	44.40	42	35.064	184	61.84	116
17.3	66.39	77	65.22	127	28.905	223	48.66	65	33.997	169	44.82	22	34.880	204	63.00	78
27.3	65.62	80	66.49	76	28.682	237	49.31	43	33.828	180	45.04	1	34.676	217	63.78	38
Okt. 7.3	64.82	82	67.25	23	28.445	238	49.74	18	33.648	180	45.05	18	34.459	218	64.16	1
17.2	64.00	81	67.48	32	28.207	225	49.92	7	33.468	171	44.87	38	34.241	211	64.15	41
27.2	63.19	77	67.16	87	27.982	202	49.85	33	33.297	153	44.49	58	34.030	195	63.74	82
Nov. 6.2	62.42	71	66.29	141	27.780	166	49.52	57	33.144	127	43.91	76	33.835	169	62.92	122
16.2	61.71	64	64.88	194	27.614	122	48.95	77	33.017	95	43.15	94	33.666	138	61.70	158
26.1	61.07	54	62.94	241	27.492	72	48.18	95	32.922	58	42.21	110	33.528	100	60.12	192
Dez. 6.1	60.53	43	60.53	282	27.420	18	47.23	110	32.864	19	41.11	123	33.428	59	58.20	220
16.1	60.10	30	57.71	315	27.402	37	46.13	119	32.845	20	39.88	134	33.369	15	56.00	243
26.0	59.80	16	54.56	339	27.439	90	44.94	125	32.865	61	38.54	139	33.354	29	53.57	258
36.0	59.64		51.17		27.529		43.69		32.926		37.15		33.383		50.99	
Mittl. Ort	64.87		33.29		24.894		56.99		30.920		22.30		32.100		34.26	
sec δ, tg δ	3.462		+3.314		1.320		−0.862		1.001		+0.052		1.130		+0.527	

Mittlere Zeit Greenw.	733) ι Cygni AR.		733) ι Cygni Dekl.		736) *h* Sagittarii AR.		736) *h* Sagittarii Dekl.	
	19ʰ 27ᵐ		+51° 33′		19ʰ 31ᵐ		−25° 3′	
1921	s		″		s		″	
Jan. 1.0	41.307	16	50.66	328	53.255	94	27.07	36
11.0	41.323	81	47.38	331	53.349	135	26.71	39
21.0	41.404	141	44.07	322	53.484	170	26.32	43
31.0	41.545	199	40.85	299	53.654	201	25.89	48
Feb. 9.9	41.744	252	37.86	267	53.855	230	25.41	53
19.9	41.996	298	35.19	222	54.085	254	24.88	59
März 1.9	42.294	337	32.97	170	54.339	274	24.29	66
11.9	42.631	367	31.27	111	54.613	291	23.63	72
21.8	42.998	389	30.16	48	54.904	305	22.91	78
31.8	43.387	401	29.68	15	55.209	314	22.13	82
Apr. 10.8	43.788	402	29.83	78	55.523	320	21.31	84
20.7	44.190	394	30.61	138	55.843	320	20.47	84
30.7	44.584	375	31.99	191	56.163	315	19.63	81
Mai 10.7	44.959	347	33.90	237	56.478	303	18.82	73
20.7	45.306	310	36.27	278	56.781	287	18.09	65
30.6	45.616	265	39.05	307	57.068	262	17.44	53
Juni 9.6	45.881	214	42.12	328	57.330	231	16.91	39
19.6	46.095	156	45.40	341	57.561	194	16.52	25
29.6	46.251	95	48.81	344	57.755	153	16.27	9
Juli 9.5	46.346	32	52.25	339	57.908	107	16.18	5
19.5	46.378	32	55.64	327	58.015	59	16.23	19
29.5	46.346	95	58.91	306	58.074	9	16.42	29
Aug. 8.4	46.251	153	61.97	279	58.083	38	16.71	39
18.4	46.098	208	64.76	247	58.045	83	17.10	45
28.4	45.890	254	67.23	208	57.962	122	17.55	48
Sept. 7.4	45.636	293	69.31	167	57.840	155	18.03	47
17.3	45.343	320	70.98	120	57.685	178	18.50	43
27.3	45.023	338	72.18	71	57.507	191	18.93	37
Okt. 7.3	44.685	342	72.89	20	57.316	194	19.30	29
17.3	44.343	336	73.09	33	57.122	186	19.59	19
27.2	44.007	318	72.76	85	56.936	167	19.78	9
Nov. 6.2	43.689	288	71.91	137	56.769	140	19.87	0
16.2	43.401	248	70.54	186	56.629	105	19.87	9
26.1	43.153	201	68.68	232	56.524	65	19.78	16
Dez. 6.1	42.952	147	66.36	270	56.459	21	19.62	22
16.1	42.805	86	63.66	302	56.438	24	19.40	27
26.1	42.719	24	60.64	323	56.462	67	19.13	31
36.0	42.695		57.41		56.529		18.82	
Mittl. Ort	42.881		39.02		54.083		32.94	
sec δ, tg δ	1.609		+1.260		1.104		−0.468	

Mittlere Zeit Greenw.	738) ϑ Cygni AR.		738) ϑ Cygni Dekl.		741) γ Aquilae AR.		741) γ Aquilae Dekl.	
	19ʰ 34ᵐ		+50° 2′		19ʰ 42ᵐ		+10° 25′	
1921	s		″		s		″	
Jan. 1.0	17.900	11	26.81	322	29.518	59	20.01	173
11.0	17.911	72	23.59	327	29.577	96	18.28	172
21.0	17.983	131	20.32	319	29.673	129	16.56	164
31.0	18.114	186	17.13	298	29.802	161	14.92	148
Feb. 9.9	18.300	238	14.15	266	29.963	189	13.44	125
19.9	18.538	284	11.49	223	30.152	215	12.19	96
März 1.9	18.822	322	9.26	173	30.367	236	11.23	63
11.9	19.144	353	7.53	114	30.603	255	10.60	25
21.8	19.497	376	6.39	53	30.858	271	10.35	14
31.8	19.873	389	5.86	10	31.129	281	10.49	54
Apr. 10.8	20.262	392	5.96	74	31.410	287	11.03	90
20.7	20.654	386	6.70	131	31.697	289	11.93	125
30.7	21.040	370	8.01	186	31.986	285	13.18	154
Mai 10.7	21.410	345	9.87	233	32.271	274	14.72	178
20.7	21.755	311	12.20	272	32.545	258	16.50	197
30.6	22.066	269	14.92	303	32.803	234	18.47	208
Juni 9.6	22.335	219	17.95	326	33.037	207	20.55	214
19.6	22.554	165	21.21	338	33.244	172	22.69	214
29.6	22.719	106	24.59	343	33.416	133	24.83	209
Juli 9.5	22.825	44	28.02	338	33.549	92	26.92	198
19.5	22.869	18	31.40	327	33.641	47	28.90	183
29.5	22.851	79	34.67	307	33.688	4	30.73	165
Aug. 8.4	22.772	137	37.74	282	33.692	40	32.38	144
18.4	22.635	191	40.56	250	33.652	80	33.82	122
28.4	22.444	237	43.06	213	33.572	116	35.04	97
Sept. 7.4	22.207	275	45.19	171	33.456	146	36.01	71
17.3	21.932	304	46.90	127	33.310	167	36.72	46
27.3	21.628	321	48.17	77	33.143	180	37.18	19
Okt. 7.3	21.307	329	48.94	28	32.963	184	37.37	8
17.3	20.978	322	49.22	25	32.779	178	37.29	34
27.2	20.656	307	48.97	77	32.601	165	36.95	60
Nov. 6.2	20.349	278	48.20	129	32.436	142	36.35	85
16.2	20.071	242	46.91	177	32.294	114	35.50	109
26.1	19.829	197	45.14	224	32.180	80	34.41	131
Dez. 6.1	19.632	145	42.90	262	32.100	43	33.10	150
16.1	19.487	88	40.28	295	32.057	5	31.60	164
26.1	19.399	28	37.33	316	32.052	35	29.96	173
36.0	19.371		34.17		32.087		28.23	
Mittl. Ort	19.368		14.82		30.230		11.25	
sec δ, tg δ	1.557		+1.193		1.017		+0.184	

Mittlere Zeit Greenw.	742) δ Cygni				743) δ Sagittae				745) α Aquilae*)				747) ε Draconis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	19h 42m		+44° 56′		19h 43m		+18° 20′		19h 46m		+8° 39′		19h 48m		+70° 3′	
Jan. 1.0	29.135	12	26.00	308	51.146	51	28.05	212	55.025	61	39.84	161	23.75	13	74.55	332
11.0	29.147	67	22.92	314	51.197	88	25.93	212	55.086	96	38.23	160	23.62	1	71.23	344
21.0	29.214	119	19.78	307	51.285	125	23.81	204	55.182	129	36.63	151	23.61	12	67.79	342
31.0	29.333	169	16.71	288	51.410	158	21.77	187	55.311	161	35.12	135	23.73	23	64.37	329
Feb. 9.9	29.502	215	13.83	258	51.568	188	19.90	162	55.472	189	33.77	114	23.96	34	61.08	300
19.9	29.717	257	11.25	217	51.756	216	18.28	129	55.661	214	32.63	86	24.30	44	58.08	262
März 1.9	29.974	292	9.08	169	51.972	239	16.99	91	55.875	236	31.77	53	24.74	52	55.46	213
11.9	30.266	322	7.39	112	52.211	259	16.08	49	56.111	255	31.24	17	25.26	60	53.33	157
21.8	30.588	344	6.27	54	52.470	275	15.59	2	56.366	270	31.07	20	25.86	64	51.76	94
31.8	30.932	358	5.73	8	52.745	287	15.57	42	56.636	281	31.27	58	26.50	68	50.82	29
Apr. 10.8	31.290	363	5.81	69	53.032	293	15.99	87	56.917	287	31.85	94	27.18	68	50.53	36
20.7	31.653	361	6.50	126	53.325	295	16.86	127	57.204	290	32.79	126	27.86	66	50.89	99
30.7	32.014	350	7.76	178	53.620	289	18.13	163	57.494	286	34.05	154	28.52	64	51.88	159
Mai 10.7	32.364	329	9.54	224	53.909	278	19.76	194	57.780	275	35.59	177	29.16	59	53.47	211
20.7	32.693	301	11.78	263	54.187	261	21.70	218	58.055	260	37.36	193	29.75	52	55.58	258
30.6	32.994	264	14.41	294	54.448	236	23.88	234	58.315	237	39.29	205	30.27	43	58.16	295
Juni 9.6	33.258	222	17.35	315	54.684	206	26.22	245	58.552	209	41.34	209	30.70	35	61.11	324
19.6	33.480	172	20.50	328	54.890	170	28.67	248	58.761	175	43.43	208	31.05	24	64.35	345
29.6	33.652	119	23.78	333	55.060	131	31.15	245	58.936	137	45.51	202	31.29	13	67.80	356
Juli 9.5	33.771	64	27.11	329	55.191	88	33.60	236	59.073	95	47.53	190	31.42	3	71.36	358
19.5	33.835	5	30.40	318	55.279	42	35.96	223	59.168	52	49.43	176	31.45	9	74.94	352
29.5	33.840	51	33.58	300	55.321	3	38.19	203	59.220	7	51.19	157	31.36	20	78.46	338
Aug. 8.4	33.789	105	36.58	275	55.318	47	40.22	181	59.227	36	52.76	137	31.16	30	81.84	317
18.4	33.684	155	39.33	245	55.271	88	42.03	156	59.191	76	54.13	115	30.86	39	85.01	289
28.4	33.529	200	41.78	209	55.183	125	43.59	128	59.115	112	55.28	90	30.47	48	87.90	254
Sept. 7.4	33.329	237	43.87	169	55.058	154	44.87	98	59.003	142	56.18	66	29.99	54	90.44	214
17.3	33.092	264	45.56	126	54.904	177	45.85	67	58.861	163	56.84	41	29.45	61	92.58	170
27.3	32.828	282	46.82	80	54.727	190	46.52	34	58.698	177	57.25	16	28.84	64	94.28	121
Okt. 7.3	32.546	289	47.62	31	54.537	195	46.86	2	58.521	180	57.41	8	28.20	67	95.49	68
17.3	32.257	285	47.93	18	54.342	190	46.88	32	58.341	176	57.33	34	27.53	66	96.17	14
27.2	31.972	270	47.75	70	54.152	176	46.56	65	58.165	162	56.99	58	26.87	66	96.31	42
Nov. 6.2	31.702	247	47.05	119	53.976	154	45.91	97	58.003	139	56.41	81	26.21	61	95.89	100
16.2	31.455	214	45.86	166	53.822	125	44.94	127	57.864	112	55.60	103	25.60	57	94.89	154
26.1	31.241	173	44.20	211	53.697	92	43.67	155	57.752	78	54.57	123	25.03	49	93.35	206
Dez. 6.1	31.068	127	42.09	249	53.605	55	42.12	180	57.674	41	53.34	140	24.54	41	91.29	253
16.1	30.941	75	39.60	281	53.550	15	40.32	198	57.633	4	51.94	153	24.13	31	88.76	292
26.1	30.866	23	36.79	302	53.535	24	38.34	210	57.629	36	50.41	162	23.82	20	85.84	321
36.0	30.843		33.77		53.559		36.24		57.665		48.79		23.62		82.63	
Mittl. Ort	30.368		13.90		51.904		18.46		55.725		31.33		26.90		60.12	
sec δ, tg δ	1.413		+0.998		1.054		+0.331		1.012		+0.152		2.933		+2.757	

*) Die jährliche Parallaxe (0.″23) ist bereits berücksichtigt

Mittlere Zeit Greenw.	749) β Aquilae				748) ε Pavonis				750) ψ Cygni				751) θ¹ Sagittarii			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	$19^h 51^m$		+6° 12′		$19^h 51^m$		−73° 6′		$19^h 53^m$		+52° 13′		$19^h 54^m$		−35° 29′	
Jan. 1.1	25.282 s	54	38.91″	150	24.85 s	9	72.56″	300	33.815 s	23	56.58″	319	34.819 s	74	23.90″	104
11.0	25.336	90	37.41	147	24.94	22	69.56	305	33.792	39	53.39	327	34.893	118	22.86	110
21.0	25.426	123	35.94	140	25.16	35	66.51	301	33.831	102	50.12	324	35.011	159	21.76	116
31.0	25.549	154	34.54	126	25.51	47	63.50	291	33.933	162	46.88	308	35.170	197	20.60	118
Feb. 9.9	25.703	183	33.28	105	25.98	57	60.59	273	34.095	219	43.80	280	35.367	229	19.42	120
19.9	25.886	208	32.23	79	26.55	67	57.86	250	34.314	270	41.00	241	35.596	259	18.22	121
März 1.9	26.094	230	31.44	47	27.22	74	55.36	222	34.584	315	38.59	193	35.855	285	17.01	121
11.9	26.324	250	30.97	14	27.96	80	53.14	190	34.899	353	36.66	137	36.140	308	15.80	118
21.8	26.574	265	30.83	21	28.76	86	51.24	153	35.252	381	35.29	76	36.448	325	14.62	115
31.8	26.839	278	31.04	56	29.62	88	49.71	116	35.633	400	34.53	13	36.773	341	13.47	109
Apr. 10.8	27.117	286	31.60	91	30.50	90	48.55	74	36.033	409	34.40	50	37.114	349	12.38	100
20.8	27.403	289	32.51	120	31.40	90	47.81	33	36.442	408	34.90	110	37.463	354	11.38	89
30.7	27.692	287	33.71	147	32.30	88	47.48	11	36.850	395	36.00	167	37.817	353	10.49	75
Mai 10.7	27.979	278	35.18	168	33.18	84	47.59	53	37.245	373	37.67	216	38.170	343	9.74	59
20.7	28.257	263	36.86	183	34.02	79	48.12	94	37.618	341	39.83	259	38.513	328	9.15	41
30.6	28.520	242	38.69	193	34.81	72	49.06	134	37.959	299	42.42	295	38.841	304	8.74	21
Juni 9.6	28.762	214	40.62	196	35.53	62	50.40	169	38.258	250	45.37	320	39.145	272	8.53	0
19.6	28.976	182	42.58	195	36.15	52	52.09	201	38.508	195	48.57	337	39.417	235	8.53	22
29.6	29.158	144	44.53	189	36.67	40	54.10	226	38.703	134	51.94	346	39.652	190	8.75	41
Juli 9.5	29.302	103	46.42	177	37.07	27	56.36	245	38.837	70	55.40	346	39.842	141	9.16	60
19.5	29.405	59	48.19	162	37.34	13	58.81	257	38.907	6	58.86	337	39.983	87	9.76	76
29.5	29.464	15	49.81	145	37.47	1	61.38	259	38.913	60	62.23	322	40.070	34	10.52	88
Aug. 8.5	29.479	29	51.26	125	37.46	15	63.97	254	38.853	121	65.45	299	40.104	21	11.40	95
18.4	29.450	70	52.51	104	37.31	28	66.51	239	38.732	178	68.44	270	40.083	73	12.35	100
28.4	29.380	105	53.55	81	37.03	41	68.90	215	38.554	230	71.14	235	40.010	118	13.35	99
Sept. 7.4	29.275	137	54.36	58	36.62	51	71.05	183	38.324	273	73.49	196	39.892	158	14.34	91
17.3	29.138	159	54.94	35	36.11	60	72.88	141	38.051	306	75.45	152	39.734	188	15.25	80
27.3	28.979	173	55.29	13	35.51	65	74.29	97	37.745	329	76.97	104	39.546	208	16.05	66
Okt. 7.3	28.806	179	55.42	11	34.86	68	75.26	45	37.416	341	78.01	54	39.338	216	16.71	47
17.3	28.627	174	55.31	33	34.18	68	75.71	9	37.075	340	78.55	1	39.122	212	17.18	27
27.2	28.453	162	54.98	55	33.50	65	75.62	62	36.735	328	78.56	51	38.910	197	17.45	5
Nov. 6.2	28.291	141	54.43	76	32.85	59	75.00	116	36.407	305	78.05	106	38.713	171	17.50	17
16.2	28.150	114	53.67	97	32.26	50	73.84	163	36.102	272	76.99	156	38.542	137	17.33	37
26.2	28.036	81	52.70	114	31.76	39	72.21	207	35.830	229	75.43	205	38.405	96	16.96	56
Dez. 6.1	27.955	45	51.56	130	31.37	27	70.14	243	35.601	180	73.38	247	38.309	51	16.40	71
16.1	27.910	9	50.26	142	31.10	14	67.71	271	35.421	124	70.91	283	38.258	3	15.69	85
26.1	27.901	30	48.84	150	30.96	0	65.00	289	35.297	63	68.08	310	38.255	44	14.84	96
36.0	27.931		47.34		30.96		62.11		35.234		64.98		38.299		13.88	
Mittl. Ort	25.962		30.50		28.75		75.26		35.267		43.12		35.802		28.05	
sec δ, tg δ	1.006		+0.109		3.444		−3.296		1.633		+1.290		1.228		−0.713	

Mittlere Zeit Greenw.	752) γ Sagittae				754) δ Pavonis				756) ϑ Aquilae				757) o¹ Cygni sq.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	19ʰ 55ᵐ		+19° 16′		20ʰ 0ᵐ		−66° 22′		20ʰ 7ᵐ		−1° 3′		20ʰ 11ᵐ		+46° 29′	
1921	s		″		s		″		s		″		s		″	
Jan. 1.1	13.875	38	46.02	213	56.73	7	64.68	268	13.116	45	16.90	103	7.514	28	77.69	298
11.0	13.913	77	43.89	214	56.80	17	62.00	277	13.161	79	17.93	100	7.486	25	74.71	310
21.0	13.990	112	41.75	207	56.97	25	59.23	276	13.240	112	18.93	93	7.511	79	71.61	309
31.0	14.102	147	39.68	191	57.22	34	56.47	269	13.352	143	19.86	80	7.590	133	68.52	296
Feb. 10.0	14.249	178	37.77	166	57.56	41	53.78	259	13.495	172	20.66	63	7.723	182	65.56	272
19.9	14.427	207	36.11	135	57.97	48	51.19	240	13.667	197	21.29	40	7.905	229	62.84	237
März 1.9	14.634	232	34.76	97	58.45	54	48.79	218	13.864	221	21.69	15	8.134	271	60.47	191
11.9	14.866	254	33.79	55	58.99	59	46.61	190	14.085	242	21.84	12	8.405	308	58.56	140
21.8	15.120	272	33.24	8	59.58	62	44.71	160	14.327	260	21.72	42	8.713	336	57.16	82
31.8	15.392	286	33.16	37	60.20	65	43.11	128	14.587	275	21.30	70	9.049	358	56.34	22
Apr. 10.8	15.678	294	33.53	81	60.85	67	41.83	91	14.862	285	20.60	97	9.407	371	56.12	40
20.8	15.972	297	34.34	124	61.52	67	40.92	53	15.147	291	19.63	121	9.778	375	56.52	97
30.7	16.269	294	35.58	160	62.19	66	40.39	15	15.438	291	18.42	140	10.153	370	57.49	153
Mai 10.7	16.563	284	37.18	193	62.85	65	40.24	26	15.729	286	17.02	156	10.523	354	59.02	203
20.7	16.847	268	39.11	218	63.50	60	40.50	64	16.015	273	15.46	166	10.877	331	61.05	245
30.6	17.115	244	41.29	236	64.10	57	41.14	102	16.288	255	13.80	170	11.208	298	63.50	281
Juni 9.6	17.359	216	43.65	248	64.67	49	42.16	138	16.543	230	12.10	170	11.506	257	66.31	307
19.6	17.575	181	46.13	253	65.16	43	43.54	169	16.773	199	10.40	165	11.763	210	69.38	326
29.6	17.756	141	48.66	251	65.59	33	45.23	197	16.972	162	8.75	156	11.973	158	72.64	335
Juli 9.5	17.897	98	51.17	242	65.92	25	47.20	218	17.134	122	7.19	144	12.131	100	75.99	337
19.5	17.995	53	53.59	230	66.17	14	49.38	232	17.256	78	5.75	128	12.231	43	79.36	331
29.5	18.048	7	55.89	212	66.31	3	51.70	240	17.334	34	4.47	110	12.274	17	82.67	317
Aug. 8.5	18.055	37	58.01	190	66.34	7	54.10	238	17.368	10	3.37	92	12.257	74	85.84	297
18.4	18.018	80	59.91	165	66.27	17	56.48	228	17.358	52	2.45	73	12.183	128	88.81	270
28.4	17.938	117	61.56	137	66.10	26	58.76	210	17.306	91	1.72	53	12.055	176	91.51	238
Sept. 7.4	17.821	148	62.93	107	65.84	34	60.86	183	17.215	122	1.19	35	11.879	218	93.89	201
17.3	17.673	172	64.00	76	65.50	40	62.69	148	17.093	148	0.84	17	11.661	251	95.90	159
27.3	17.501	188	64.76	43	65.10	45	64.17	108	16.945	165	0.67	0	11.410	275	97.49	114
Okt. 7.3	17.313	194	65.19	9	64.65	47	65.25	63	16.780	171	0.67	17	11.135	288	98.63	67
17.3	17.119	191	65.28	25	64.18	48	65.88	13	16.609	170	0.84	31	10.847	291	99.30	17
27.2	16.928	179	65.03	58	63.70	45	66.01	36	16.439	160	1.15	46	10.556	283	99.47	34
Nov. 6.2	16.749	159	64.45	91	63.25	41	65.65	85	16.279	141	1.61	60	10.273	265	99.13	86
16.2	16.590	132	63.54	122	62.84	35	64.80	132	16.138	116	2.21	73	10.008	238	98.27	136
26.2	16.458	101	62.32	152	62.49	28	63.48	172	16.022	85	2.94	84	9.770	202	96.91	182
Dez. 6.1	16.357	64	60.80	176	62.21	18	61.76	208	15.937	52	3.78	94	9.568	161	95.09	225
16.1	16.293	27	59.04	196	62.03	9	59.68	236	15.885	16	4.72	101	9.407	114	92.84	262
26.1	16.266	13	57.08	211	61.94	0	57.32	257	15.869	21	5.73	105	9.293	63	90.22	289
36.1	16.279		54.97		61.94		54.75		15.890		6.78		9.230		87.33	
Mittl. Ort	14.608		36.03		59.40		66.72		13.760		24.43		8.637		63.79	
sec δ, tg δ	1.059		+0.350		2.496		−2.287		1.000		−0.019		1.453		+1.054	

Mittlere Zeit Greenw.	759) κ Cephei AR.		759) κ Cephei Dekl.		760) 24 Vulpeculae AR.		760) 24 Vulpeculae Dekl.	
	$20^h\ 11^m$		$+77°\ 28'$		$20^h\ 13^m$		$+24°\ 25'$	
1921	s		"		s		"	
Jan. 1.1	29.75	36	43.58	314	23.536	15	47.93	228
11.0	29.39	17	40.44	333	23.551	53	45.65	233
21.0	29.22	3	37.11	339	23.604	91	43.32	228
31.0	29.25	21	33.72	333	23.695	127	41.04	214
Feb. 10.0	29.46	40	30.39	314	23.822	162	38.90	192
19.9	29.86	58	27.25	283	23.984	193	36.98	160
März 1.9	30.44	72	24.42	239	24.177	223	35.38	121
11.9	31.16	84	22.03	188	24.400	249	34.17	77
21.8	32.00	95	20.15	129	24.649	270	33.40	30
31.8	32.95	100	18.86	68	24.919	288	33.10	20
Apr. 10.8	33.95	103	18.18	3	25.207	300	33.30	68
20.8	34.98	103	18.15	61	25.507	305	33.98	113
30.7	36.01	99	18.76	121	25.812	305	35.11	156
Mai 10.7	37.00	92	19.97	176	26.117	297	36.67	193
20.7	37.92	83	21.73	227	26.414	282	38.60	222
30.7	38.75	70	24.00	269	26.696	260	40.82	246
Juni 9.6	39.45	57	26.69	304	26.956	232	43.28	262
19.6	40.02	42	29.73	330	27.188	197	45.90	271
29.6	40.44	24	33.03	347	27.385	158	48.61	273
Juli 9.5	40.68	8	36.50	357	27.543	113	51.34	268
19.5	40.76	9	40.07	357	27.656	67	54.02	257
29.5	40.67	26	43.64	349	27.723	20	56.59	241
Aug. 8.5	40.41	41	47.13	334	27.743	26	59.00	220
18.4	40.00	57	50.47	312	27.717	70	61.20	195
28.4	39.43	71	53.59	283	27.647	111	63.15	166
Sept. 7.4	38.72	81	56.42	248	27.536	144	64.81	135
17.4	37.91	92	58.90	207	27.392	171	66.16	101
27.3	36.99	100	60.97	162	27.221	190	67.17	66
Okt. 7.3	35.99	105	62.59	112	27.031	198	67.83	29
17.3	34.94	107	63.71	59	26.833	200	68.12	8
27.2	33.87	107	64.30	3	26.633	190	68.04	45
Nov. 6.2	32.80	103	64.33	54	26.443	175	67.59	83
16.2	31.77	98	63.79	112	26.268	150	66.76	119
26.2	30.79	88	62.67	166	26.118	121	65.57	152
Dez. 6.1	29.91	78	61.01	217	25.997	87	64.05	181
16.1	29.13	63	58.84	262	25.910	51	62.24	205
26.1	28.50	47	56.22	299	25.859	11	60.19	224
36.1	28.03		53.23		25.848		57.95	
Mittl. Ort	34.57		26.93		24.251		36.78	
sec δ, tg δ	4.611		+4.501		1.098		+0.454	

Mittlere Zeit Greenw.	761) α^2 Capricorni AR.		761) α^2 Capricorni Dekl.		765) γ Cygni AR.		765) γ Cygni Dekl.	
	$20^h\ 13^m$		$-12°\ 47'$		$20^h\ 19^m$		$+40°\ 0'$	
1921	s		"		s		"	
Jan. 1.1	39.698	44	20.46	32	22.641	20	24.73	278
11.0	39.742	81	20.78	28	22.621	26	21.95	289
21.0	39.823	114	21.06	19	22.647	74	19.06	289
31.0	39.937	145	21.25	8	22.721	120	16.17	276
Feb. 10.0	40.082	174	21.33	5	22.841	164	13.41	254
19.9	40.256	201	21.28	21	23.005	205	10.87	221
März 1.9	40.457	225	21.07	39	23.210	244	8.66	178
11.9	40.682	245	20.68	57	23.454	276	6.88	128
21.8	40.927	266	20.11	75	23.730	304	5.60	74
31.8	41.193	282	19.36	93	24.034	326	4.86	17
Apr. 10.8	41.475	293	18.43	107	24.360	340	4.69	41
20.8	41.768	300	17.36	120	24.700	346	5.10	98
30.7	42.068	302	16.16	129	25.046	344	6.08	149
Mai 10.7	42.370	297	14.87	133	25.390	334	7.57	196
20.7	42.667	287	13.54	132	25.724	315	9.53	237
30.7	42.954	269	12.22	129	26.039	287	11.90	270
Juni 9.6	43.223	245	10.93	120	26.326	253	14.60	295
19.6	43.468	213	9.73	109	26.579	212	17.55	312
29.6	43.681	178	8.64	94	26.791	165	20.67	321
Juli 9.5	43.859	136	7.70	79	26.956	114	23.88	322
19.5	43.995	92	6.91	62	27.070	61	27.10	315
29.5	44.087	46	6.29	44	27.131	7	30.25	302
Aug. 8.5	44.133	0	5.85	28	27.138	46	33.27	281
18.4	44.133	44	5.57	12	27.092	97	36.08	257
28.4	44.089	85	5.45	1	26.995	142	38.65	225
Sept. 7.4	44.004	118	5.46	13	26.853	181	40.90	190
17.4	43.886	146	5.59	22	26.672	212	42.80	152
27.3	43.740	163	5.81	30	26.460	235	44.32	109
Okt. 7.3	43.577	173	6.11	34	26.225	248	45.41	64
17.3	43.404	172	6.45	38	25.977	252	46.05	17
27.2	43.232	162	6.83	40	25.725	244	46.22	31
Nov. 6.2	43.070	144	7.23	41	25.481	229	45.91	78
16.2	42.926	119	7.64	42	25.252	206	45.13	125
26.2	42.807	87	8.06	42	25.046	174	43.88	170
Dez. 6.1	42.720	54	8.48	41	24.872	137	42.18	209
16.1	42.666	16	8.89	40	24.735	95	40.09	244
26.1	42.650	21	9.29	38	24.640	51	37.65	269
36.1	42.671		9.67		24.589		34.96	
Mittl. Ort	40.375		26.32		23.551		11.22	
sec δ, tg δ	1.025		−0.227		1.305		+0.839	

Mittlere Zeit Greenw.	764) α Pavonis AR.		Dekl.		767) δ Cephei AR.		Dekl.		768) ε Delphini AR.		Dekl.		769) α Indi AR.		Dekl.	
1921	20h 19m		−56° 58′		20h 28m		+62° 43′		20h 29m		+11° 2′		20h 31m		−47° 33′	
Jan. 1.1	22.665	34	80.79	224	13.74	14	58.26	308	25.743	15	11.22	161	59.652	23	64.28	173
11.0	22.699	102	78.55	237	13.60	5	55.18	328	25.758	49	9.61	163	59.675	76	62.55	188
21.0	22.801	166	76.18	243	13.55	3	51.90	335	25.807	82	7.98	157	59.751	126	60.67	197
31.0	22.967	227	73.75	244	13.58	11	48.55	330	25.889	116	6.41	144	59.877	173	58.70	204
Feb. 10.0	23.194	282	71.31	239	13.69	20	45.25	312	26.005	146	4.97	126	60.050	218	56.66	204
19.9	23.476	332	68.92	230	13.89	27	42.13	280	26.151	175	3.71	99	60.268	259	54.62	203
März 1.9	23.808	376	66.62	216	14.16	35	39.33	239	26.326	203	2.72	68	60.527	296	52.59	197
11.9	24.184	414	64.46	198	14.51	41	36.94	188	26.529	228	2.04	33	60.823	328	50.62	187
21.9	24.598	448	62.48	177	14.92	46	35.06	130	26.757	250	1.71	5	61.151	358	48.75	176
31.8	25.046	473	60.71	153	15.38	49	33.76	69	27.007	268	1.76	44	61.509	382	46.99	160
Apr. 10.8	25.519	491	59.18	124	15.87	52	33.07	4	27.275	282	2.20	82	61.891	400	45.39	141
20.8	26.010	502	57.94	94	16.39	53	33.03	59	27.557	292	3.02	116	62.291	414	43.98	118
30.7	26.512	503	57.00	61	16.92	52	33.62	121	27.849	295	4.18	149	62.705	418	42.80	93
Mai 10.7	27.015	495	56.39	27	17.44	50	34.83	177	28.144	291	5.67	175	63.123	414	41.87	66
20.7	27.510	475	56.12	9	17.94	46	36.60	226	28.435	282	7.42	196	63.537	403	41.21	37
30.7	27.985	444	56.21	45	18.40	42	38.86	271	28.717	264	9.38	211	63.940	381	40.84	4
Juni 9.6	28.429	403	56.66	78	18.82	35	41.57	305	28.981	241	11.49	219	64.321	351	40.80	26
19.6	28.832	352	57.44	111	19.17	29	44.62	331	29.222	211	13.68	222	64.672	310	41.06	57
29.6	29.184	291	58.55	141	19.46	21	47.93	350	29.433	175	15.90	219	64.982	262	41.63	86
Juli 9.6	29.475	221	59.96	165	19.67	12	51.43	359	29.608	135	18.09	210	65.244	207	42.49	111
19.5	29.696	147	61.61	184	19.79	5	55.02	361	29.743	92	20.19	198	65.451	146	43.60	133
29.5	29.843	68	63.45	197	19.84	4	58.63	352	29.835	47	22.17	181	65.597	81	44.93	150
Aug. 8.5	29.911	11	65.42	203	19.80	12	62.15	338	29.882	3	23.98	162	65.678	17	46.43	162
18.4	29.900	88	67.45	201	19.68	20	65.53	315	29.885	41	25.60	139	65.695	47	48.05	166
28.4	29.812	160	69.46	192	19.48	27	68.68	286	29.844	80	26.99	115	65.648	107	49.71	163
Sept. 7.4	29.652	222	71.38	174	19.21	33	71.54	252	29.764	114	28.14	89	65.541	160	51.34	155
17.4	29.430	274	73.12	149	18.88	38	74.06	211	29.650	142	29.03	64	65.381	204	52.89	138
27.3	29.156	312	74.61	118	18.50	43	76.17	166	29.508	161	29.67	37	65.177	237	54.27	116
Okt. 7.3	28.844	333	75.79	81	18.07	45	77.83	115	29.347	172	30.04	11	64.940	256	55.43	88
17.3	28.511	339	76.60	40	17.62	46	78.98	63	29.175	174	30.15	16	64.684	262	56.31	56
27.3	28.172	328	77.00	2	17.16	46	79.61	7	29.001	168	29.99	42	64.422	255	56.87	22
Nov. 6.2	27.844	299	76.98	46	16.70	45	79.68	49	28.833	154	29.57	67	64.167	235	57.09	13
16.2	27.545	260	76.52	87	16.25	42	79.19	107	28.679	133	28.90	91	63.932	204	56.96	48
26.2	27.285	206	75.65	126	15.83	37	78.12	161	28.546	106	27.99	113	63.728	164	56.48	81
Dez. 6.1	27.079	146	74.39	160	15.46	33	76.51	211	28.440	77	26.86	133	63.564	117	55.67	111
16.1	26.933	79	72.79	188	15.13	26	74.40	257	28.363	43	25.53	148	63.447	65	54.56	138
26.1	26.854	10	70.91	211	14.87	19	71.83	293	28.320	8	24.05	160	63.382	11	53.18	160
36.1	26.844		68.80		14.68		68.90		28.312		22.45		63.371		51.58	
Mittl. Ort	24.454		81.82		15.53		41.59		26.329		1.85		60.950		65.15	
sec δ, tg δ	1.836		−1.539		2.182		+1.940		1.019		+0.195		1.482		−1.094	

Mittlere Zeit Greenw.	770) 73 Draconis AR.	Diff.	770) 73 Draconis Dekl.	Diff.	771) β Delphini AR.	Diff.	771) β Delphini Dekl.	Diff.	773) υ Capricorni AR.	Diff.	773) υ Capricorni Dekl.	Diff.	774) α Delphini AR.	Diff.	774) α Delphini Dekl.	Diff.
1921	$20^h 32^m$		+74° 40′		$20^h 33^m$		+14° 19′		$20^h 35^m$		−18° 24′		$20^h 35^m$		+15° 37′	
Jan. 1.1	30.62	34	80.77	302	50.086	7	19.97	175	32.608	25	59.53	3	57.546	4	67.11	181
11.1	30.28	19	77.75	325	50.093	43	18.22	179	32.633	61	59.50	12	57.550	39	65.30	184
21.0	30.09	4	74.50	338	50.136	76	16.43	174	32.694	95	59.38	22	57.589	73	63.46	180
31.0	30.05	12	71.12	337	50.212	110	14.69	162	32.789	127	59.16	33	57.662	107	61.66	169
Feb. 10.0	30.17	27	67.75	322	50.322	141	13.07	142	32.916	158	58.83	45	57.769	139	59.97	149
19.9	30.44	41	64.53	295	50.463	172	11.65	116	33.074	186	58.38	59	57.908	170	58.48	122
März 1.9	30.85	55	61.58	256	50.635	200	10.49	83	33.260	214	57.79	73	58.078	199	57.26	90
11.9	31.40	65	59.02	208	50.835	226	9.66	47	33.474	237	57.06	88	58.277	226	56.36	52
21.9	32.05	75	56.94	152	51.061	250	9.19	6	33.711	261	56.18	102	58.503	249	55.84	11
31.8	32.80	82	55.42	91	51.311	269	9.13	35	33.972	279	55.16	114	58.752	268	55.73	31
Apr. 10.8	33.62	85	54.51	28	51.580	284	9.48	75	34.251	295	54.02	124	59.020	285	56.04	72
20.8	34.47	86	54.23	37	51.864	293	10.23	113	34.546	307	52.78	130	59.305	294	56.76	112
30.8	35.33	85	54.60	98	52.157	298	11.36	148	34.853	311	51.48	133	59.599	299	57.88	147
Mai 10.7	36.18	81	55.58	157	52.455	294	12.84	177	35.164	311	50.15	132	59.898	296	59.35	178
20.7	36.99	73	57.15	209	52.749	285	14.61	201	35.475	303	48.83	127	60.194	286	61.13	203
30.7	37.72	66	59.24	254	53.034	268	16.62	219	35.778	288	47.56	117	60.480	269	63.16	222
Juni 9.6	38.38	54	61.78	293	53.302	244	18.81	230	36.066	266	46.39	105	60.749	246	65.38	234
19.6	38.92	43	64.71	323	53.546	214	21.11	235	36.332	237	45.34	90	60.995	216	67.72	240
29.6	39.35	30	67.94	345	53.760	178	23.46	234	36.569	201	44.44	72	61.211	179	70.12	239
Juli 9.6	39.65	16	71.39	358	53.938	138	25.80	227	36.770	161	43.72	53	61.390	140	72.51	233
19.5	39.81	2	74.97	362	54.076	95	28.07	215	36.931	117	43.19	34	61.530	95	74.84	222
29.5	39.83	12	78.59	359	54.171	49	30.22	199	37.048	69	42.85	15	61.625	51	77.06	206
Aug. 8.5	39.71	25	82.18	347	54.220	4	32.21	179	37.117	22	42.70	3	61.676	5	79.12	187
18.5	39.46	38	85.65	328	54.224	39	34.00	156	37.139	25	42.73	18	61.681	38	80.99	164
28.4	39.08	50	88.93	303	54.185	79	35.56	132	37.114	67	42.91	31	61.643	79	82.63	138
Sept. 7.4	38.58	61	91.96	271	54.106	114	36.88	105	37.047	105	43.22	41	61.564	114	84.01	111
17.4	37.97	69	94.67	232	53.992	142	37.93	77	36.942	136	43.63	47	61.450	141	85.12	84
27.3	37.28	77	96.99	188	53.850	162	38.70	49	36.806	158	44.10	50	61.309	163	85.96	53
Okt. 7.3	36.51	82	98.87	140	53.688	173	39.19	20	36.648	171	44.60	50	61.146	175	86.49	24
17.3	35.69	84	100.27	87	53.515	177	39.39	10	36.477	174	45.10	49	60.971	178	86.73	6
27.3	34.85	86	101.14	32	53.338	172	39.29	38	36.303	169	45.59	44	60.793	173	86.67	36
Nov. 6.2	33.99	84	101.46	27	53.166	158	38.91	66	36.134	153	46.03	38	60.620	161	86.31	66
16.2	33.15	80	101.19	84	53.008	138	38.25	94	35.981	131	46.41	32	60.459	140	85.65	94
26.2	32.35	74	100.35	142	52.870	113	37.31	118	35.850	103	46.73	26	60.319	116	84.71	120
Dez. 6.2	31.61	65	98.93	195	52.757	83	36.13	141	35.747	69	46.99	19	60.203	86	83.51	144
16.1	30.96	55	96.98	244	52.674	50	34.72	160	35.678	35	47.18	11	60.117	53	82.07	163
26.1	30.41	43	94.54	284	52.624	16	33.12	172	35.643	1	47.29	4	60.064	19	80.44	178
36.1	29.98		91.70		52.608		31.40		35.644		47.33		60.045		78.66	
Mittl. Ort	34.06		62.81		50.665		10.00		33.288		63.95		58.121		56.89	
sec δ, tg δ	3.786		+3.651		1.032		+0.255		1.054		−0.333		1.038		+0.280	

Mittlere Zeit Greenw.	775) β Pavonis AR.	Δ	775) β Pavonis Dekl.	Δ	777) α Cygni AR.	Δ	777) α Cygni Dekl.	Δ	780) ε Cygni AR.	Δ	780) ε Cygni Dekl.	Δ	781) ε Aquarii AR.	Δ	781) ε Aquarii Dekl.	Δ
1921	$20^h\,37^m$		$-66°\,28'$		$20^h\,38^m$		$+44°\,59'$		$20^h\,43^m$		$+33°\,40'$		$20^h\,43^m$		$-9°\,46'$	
Jan. 1.1	48.80	3	79.42	266	43.393	57	65.62	279	0.177	31	38.53	246	23.457	15	63.29	46
11.1	48.77	6	76.76	283	43.336	7	62.83	295	0.146	11	36.07	258	23.472	49	63.75	40
21.0	48.83	15	73.93	292	43.329	43	59.88	300	0.157	52	33.49	260	23.521	82	64.15	31
31.0	48.98	24	71.01	294	43.372	95	56.88	293	0.209	93	30.89	251	23.603	112	64.46	18
Feb. 10.0	49.22	33	68.07	288	43.467	144	53.95	273	0.302	134	28.38	233	23.715	143	64.64	4
19.9	49.55	39	65.19	278	43.611	193	51.22	244	0.436	173	26.05	204	23.858	171	64.68	14
März 1.9	49.94	46	62.41	261	43.804	237	48.78	204	0.609	209	24.01	166	24.029	198	64.54	34
11.9	50.40	52	59.80	239	44.041	276	46.74	156	0.818	243	22.35	121	24.227	223	64.20	55
21.9	50.92	56	57.41	212	44.317	311	45.18	102	1.061	272	21.14	72	24.450	246	63.65	76
31.8	51.48	61	55.29	182	44.628	339	44.16	44	1.333	296	20.42	19	24.696	266	62.89	97
Apr. 10.8	52.09	64	53.47	147	44.967	357	43.72	16	1.629	315	20.23	35	24.962	282	61.92	115
20.8	52.73	66	52.00	110	45.324	369	43.88	73	1.944	326	20.58	87	25.244	294	60.77	131
30.8	53.39	66	50.90	70	45.693	370	44.61	129	2.270	330	21.45	137	25.538	301	59.46	143
Mai 10.7	54.05	65	50.20	28	46.063	362	45.90	180	2.600	326	22.82	181	25.839	301	58.03	150
20.7	54.70	63	49.92	14	46.425	345	47.70	225	2.926	313	24.63	220	26.140	294	56.53	152
30.7	55.33	60	50.06	56	46.770	319	49.95	263	3.239	293	26.83	252	26.434	281	55.01	151
Juni 9.6	55.93	55	50.62	96	47.089	283	52.58	293	3.532	266	29.35	276	26.715	260	53.50	145
19.6	56.48	48	51.58	135	47.372	240	55.51	315	3.798	230	32.11	294	26.975	232	52.05	134
29.6	56.96	40	52.93	168	47.612	192	58.66	328	4.028	189	35.05	303	27.207	199	50.71	120
Juli 9.6	57.36	31	54.61	198	47.804	139	61.94	335	4.217	143	38.08	304	27.406	161	49.51	105
19.5	57.67	22	56.59	220	47.943	82	65.29	332	4.360	95	41.12	300	27.567	117	48.46	86
29.5	57.89	11	58.79	236	48.025	25	68.61	323	4.455	44	44.12	288	27.684	72	47.60	67
Aug. 8.5	58.00	1	61.15	243	48.050	33	71.84	305	4.499	6	47.00	270	27.756	27	46.93	49
18.5	58.01	10	63.58	242	48.017	86	74.89	284	4.493	54	49.70	247	27.783	18	46.44	29
28.4	57.91	20	66.00	231	47.931	137	77.73	254	4.439	99	52.17	219	27.765	59	46.15	13
Sept. 7.4	57.71	28	68.31	212	47.794	182	80.27	221	4.340	139	54.36	188	27.706	96	46.02	2
17.4	57.43	37	70.43	183	47.612	217	82.48	183	4.201	170	56.24	152	27.610	126	46.04	15
27.3	57.06	42	72.26	148	47.395	245	84.31	140	4.031	195	57.76	114	27.484	147	46.19	26
Okt. 7.3	56.64	46	73.74	105	47.150	263	85.71	94	3.836	210	58.90	74	27.337	162	46.45	35
17.3	56.18	48	74.79	57	46.887	272	86.65	47	3.626	217	59.64	30	27.175	166	46.80	41
27.3	55.70	47	75.36	7	46.615	269	87.12	4	3.409	214	59.94	12	27.009	161	47.21	47
Nov. 6.2	55.23	45	75.43	44	46.346	258	87.08	54	3.195	204	59.82	57	26.848	148	47.68	50
16.2	54.78	40	74.99	95	46.088	238	86.54	104	2.991	185	59.25	100	26.700	129	48.18	52
26.2	54.38	34	74.04	141	45.850	210	85.50	153	2.806	160	58.25	140	26.571	103	48.70	54
Dez. 6.2	54.04	27	72.63	183	45.640	174	83.97	196	2.646	130	56.85	179	26.468	72	49.24	55
16.1	53.77	18	70.80	220	45.466	134	82.01	236	2.516	94	55.06	211	26.396	41	49.79	54
26.1	53.59	9	68.60	250	45.332	89	79.65	267	2.422	57	52.95	237	26.355	7	50.33	51
36.1	53.50		66.10		45.243		76.98		2.365		50.58		26.348		50.84	
Mittl. Ort	51.47		78.51		44.296		50.53		0.854		25.05		24.048		68.92	
sec δ, tg δ	2.507		−2.299		1.414		+1.000		1.202		+0.666		1.015		−0.173	

Mittlere Zeit Greenw.	783) η Cephei				784) λ Cygni				785) β Indi				786) 32 Vulpeculae			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	20h 43m		+61° 31′		20h 44m		+36° 11′		20h 48m		−58° 44′		20h 51m		+27° 45′	
Jan. 1.1	39.59	15	71.02	295	19.131	38	73.12	254	36.858	25	73.14	227	10.974	27	35.84	222
11.1	39.44	8	68.07	317	19.093	4	70.58	267	36.833	45	70.87	246	10.947	10	33.62	234
21.0	39.36	0	64.90	328	19.097	47	67.91	270	36.878	112	68.41	259	10.957	48	31.28	234
31.0	39.36	8	61.62	327	19.144	91	65.21	262	36.990	177	65.82	264	11.005	86	28.94	226
Feb. 10.0	39.44	17	58.35	311	19.235	132	62.59	244	37.167	238	63.18	265	11.091	123	26.68	209
20.0	39.61	24	55.24	284	19.367	173	60.15	214	37.405	294	60.53	260	11.214	159	24.59	181
März 1.9	39.85	31	52.40	246	19.540	211	58.01	177	37.699	345	57.93	249	11.373	193	22.78	146
11.9	40.16	37	49.94	197	19.751	246	56.24	132	38.044	392	55.44	234	11.566	226	21.32	104
21.9	40.53	43	47.97	142	19.997	277	54.92	81	38.436	433	53.10	215	11.792	254	20.28	58
31.8	40.96	47	46.55	82	20.274	302	54.11	27	38.869	467	50.95	190	12.046	279	19.70	8
Apr. 10.8	41.43	50	45.73	18	20.576	321	53.84	28	39.336	494	49.05	163	12.325	297	19.62	41
20.8	41.93	51	45.55	45	20.897	333	54.12	81	39.830	513	47.42	131	12.622	310	20.03	90
30.8	42.44	51	46.00	106	21.230	337	54.93	133	40.343	522	46.11	97	12.932	317	20.93	135
Mai 10.7	42.95	49	47.06	164	21.567	332	56.26	181	40.865	522	45.14	60	13.249	314	22.28	176
20.7	43.44	47	48.70	215	21.899	319	58.07	219	41.387	509	44.54	22	13.563	306	24.04	211
30.7	43.91	42	50.85	260	22.218	299	60.26	253	41.896	485	44.32	18	13.869	288	26.15	240
Juni 9.7	44.33	37	53.45	298	22.517	269	62.79	279	42.381	449	44.50	55	14.157	264	28.55	262
19.6	44.70	31	56.43	327	22.786	234	65.58	298	42.830	401	45.05	93	14.421	231	31.17	276
29.6	45.01	23	59.70	347	23.020	191	68.56	309	43.231	342	45.98	127	14.652	194	33.93	283
Juli 9.6	45.24	16	63.17	359	23.211	144	71.65	309	43.573	275	47.25	158	14.846	152	36.76	284
19.5	45.40	8	66.76	363	23.355	94	74.74	308	43.848	200	48.83	183	14.998	105	39.60	278
29.5	45.48	0	70.39	358	23.449	43	77.82	296	44.048	119	50.66	202	15.103	58	42.38	265
Aug. 8.5	45.48	8	73.97	347	23.492	9	80.78	279	44.167	36	52.68	213	15.161	9	45.03	248
18.5	45.40	16	77.44	327	23.483	59	83.57	257	44.203	47	54.81	219	15.170	37	47.51	225
28.4	45.24	23	80.71	300	23.424	104	86.14	229	44.156	125	57.00	213	15.133	80	49.76	199
Sept. 7.4	45.01	29	83.71	267	23.320	144	88.43	196	44.031	196	59.13	200	15.053	118	51.75	169
17.4	44.72	34	86.38	228	23.176	177	90.39	160	43.835	257	61.13	178	14.935	151	53.44	136
27.4	44.38	39	88.66	185	22.999	203	91.99	122	43.578	304	62.91	150	14.784	174	54.80	101
Okt. 7.3	43.99	41	90.51	137	22.796	220	93.21	80	43.274	337	64.41	115	14.610	190	55.81	63
17.3	43.58	43	91.88	83	22.576	226	94.01	36	42.937	352	65.56	73	14.420	197	56.44	25
27.3	43.15	44	92.71	30	22.350	225	94.37	9	42.585	351	66.29	30	14.223	196	56.69	14
Nov. 6.2	42.71	43	93.01	27	22.125	214	94.28	55	42.234	333	66.59	16	14.027	186	56.55	53
16.2	42.28	40	92.74	84	21.911	195	93.73	100	41.901	300	66.43	62	13.841	169	56.02	93
26.2	41.88	37	91.90	140	21.716	171	92.73	142	41.601	254	65.81	106	13.672	146	55.09	129
Dez. 6.2	41.51	32	90.50	191	21.545	140	91.31	182	41.347	199	64.75	146	13.526	118	53.80	163
16.1	41.19	27	88.59	239	21.405	104	89.49	216	41.148	135	63.29	179	13.408	86	52.17	192
26.1	40.92	20	86.20	277	21.301	65	87.33	244	41.013	68	61.50	209	13.322	52	50.25	215
36.1	40.72		83.43		21.236		84.89		40.945		59.41		13.270		48.10	
Mittl. Ort	41.12		53.55		19.835		59.17		38.736		71.86		11.550		23.18	
sec δ, tg δ	2.098		+1.844		1.239		+0.732		1.928		−1.648		1.130		+0.526	

Mittlere Zeit Greenw.	788) ν Cygni				790) ζ Microscopii				793) 61 Cygni pr.*)				794) ν Aquarii			
	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ
1921	20h 54m		+40° 51′		20h 57m		−38° 56′		21h 3m		+38° 21′		21h 5m		−11° 41′	
	s		″		s		″		s		″		s		″	
Jan. 1.1	12.914	61	59.33	260	54.350	4	27.24	121	20.632	50	51.50	240	17.027	3	27.79	33
11.1	12.853	16	56.73	277	54.346	39	26.03	137	20.582	7	49.10	256	17.024	28	28.12	25
21.1	12.837	29	53.96	283	54.385	81	24.66	152	20.575	35	46.54	263	17.052	60	28.37	15
31.0	12.866	76	51.13	278	54.466	121	23.14	164	20.610	80	43.91	258	17.112	91	28.52	2
Feb. 10.0	12.942	122	48.35	262	54.587	160	21.50	172	20.690	124	41.33	243	17.203	123	28.54	14
20.0	13.064	167	45.73	234	54.747	197	19.78	178	20.814	167	38.90	216	17.326	151	28.40	30
März 1.9	13.231	211	43.39	198	54.944	232	18.00	181	20.981	209	36.74	181	17.477	180	28.10	50
11.9	13.442	249	41.41	154	55.176	264	16.19	181	21.190	247	34.93	137	17.657	208	27.60	70
21.9	13.691	284	39.87	102	55.440	293	14.38	178	21.437	281	33.56	88	17.865	233	26.90	91
31.9	13.975	311	38.85	47	55.733	319	12.60	172	21.718	310	32.68	34	18.098	257	25.99	109
Apr. 10.8	14.286	335	38.38	10	56.052	341	10.88	163	22.028	333	32.34	21	18.355	276	24.90	126
20.8	14.621	349	38.48	66	56.393	358	9.25	149	22.361	348	32.55	76	18.631	291	23.64	140
30.8	14.970	354	39.14	120	56.751	368	7.76	131	22.709	355	33.31	128	18.922	302	22.24	149
Mai 10.8	15.324	351	40.34	169	57.119	371	6.45	111	23.064	353	34.59	177	19.224	305	20.75	156
20.7	15.675	339	42.03	214	57.490	365	5.34	87	23.417	343	36.36	220	19.529	303	19.19	157
30.7	16.014	317	44.17	250	57.855	352	4.47	61	23.760	324	38.56	255	19.832	292	17.62	153
Juni 9.7	16.331	287	46.67	281	58.207	330	3.86	33	24.084	297	41.11	286	20.124	274	16.09	146
19.6	16.618	250	49.48	303	58.537	298	3.53	3	24.381	261	43.97	306	20.398	250	14.63	133
29.6	16.868	206	52.51	317	58.835	260	3.50	25	24.642	219	47.03	320	20.648	218	13.30	119
Juli 9.6	17.074	157	55.68	323	59.095	213	3.75	53	24.861	173	50.23	326	20.866	180	12.11	100
19.6	17.231	105	58.91	323	59.308	162	4.28	78	25.034	122	53.49	324	21.046	139	11.11	81
29.5	17.336	50	62.14	314	59.470	107	5.06	101	25.156	70	56.73	316	21.185	94	10.30	61
Aug. 8.5	17.386	4	65.28	299	59.577	49	6.07	117	25.226	17	59.89	302	21.279	49	9.69	40
18.5	17.382	56	68.27	278	59.626	8	7.24	131	25.243	34	62.91	280	21.328	3	9.29	21
28.4	17.326	104	71.05	251	59.618	61	8.55	136	25.209	82	65.71	254	21.331	40	9.08	3
Sept. 7.4	17.222	148	73.56	219	59.557	111	9.91	137	25.127	124	68.25	222	21.291	79	9.05	13
17.4	17.074	185	75.75	184	59.446	152	11.28	130	25.003	160	70.47	188	21.212	111	9.18	26
27.4	16.889	212	77.59	143	59.294	183	12.58	119	24.843	188	72.35	148	21.101	136	9.44	36
Okt. 7.3	16.677	232	79.02	101	59.111	206	13.77	100	24.655	207	73.83	107	20.965	152	9.80	42
17.3	16.445	242	80.03	55	58.905	215	14.77	79	24.448	218	74.90	62	20.813	161	10.22	50
27.3	16.203	243	80.58	8	58.690	214	15.56	53	24.230	219	75.52	18	20.652	160	10.72	52
Nov. 6.3	15.960	234	80.66	41	58.476	202	16.09	25	24.011	212	75.70	29	20.492	150	11.24	52
16.2	15.726	219	80.25	89	58.274	181	16.34	4	23.799	197	75.41	76	20.342	135	11.76	53
26.2	15.507	194	79.36	135	58.093	151	16.30	31	23.602	175	74.65	119	20.207	112	12.29	51
Dez. 6.2	15.313	165	78.01	178	57.942	114	15.99	59	23.427	147	73.46	162	20.095	86	12.80	48
16.1	15.148	128	76.23	216	57.828	75	15.40	84	23.280	114	71.84	198	20.009	57	13.28	45
26.1	15.020	89	74.07	247	57.753	32	14.56	106	23.166	76	69.86	228	19.952	25	13.73	40
36.1	14.931		71.60		57.721		13.50		23.090		67.58		19.927		14.13	
Mittl. Ort	13.629		44.26		55.327		27.51		21.262		36.78		17.568		32.49	
sec δ, tg δ	1.322		+0.865		1.286		−0.808		1.275		+0.791		1.021		−0.207	

*) Die jährliche Parallaxe (0.″30) ist bereits berücksichtigt

Mittlere Zeit Greenw.	795) Br. 2777				797) ζ Cygni				800) α Equulei				803) α Cephei			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	$21^h\ 7^m$		+77° 48′		$21^h\ 9^m$		+29° 54′		$21^h\ 11^m$		+4° 55′		$21^h\ 16^m$		+62° 14′	
Jan. 1.1	2.90	58	43.10	269	33.889	48	21.31	220	52.085	18	21.69	118	40.52	21	80.92	270
11.1	2.32	40	40.41	303	33.841	12	19.11	233	52.067	14	20.51	119	40.31	14	78.22	299
21.1	1.92	22	37.38	325	33.829	26	16.78	239	52.081	45	19.32	113	40.17	7	75.23	319
31.0	1.70	3	34.13	334	33.855	64	14.39	233	52.126	76	18.19	102	40.10	2	72.04	326
Feb. 10.0	1.67	17	30.79	330	33.919	103	12.06	217	52.202	106	17.17	86	40.12	10	68.78	319
20.0	1.84	36	27.49	312	34.022	141	9.89	194	52.308	137	16.31	65	40.22	18	65.59	300
März 1.9	2.20	54	24.37	284	34.163	178	7.95	160	52.445	167	15.66	38	40.40	26	62.59	269
11.9	2.74	70	21.53	243	34.341	213	6.35	120	52.612	196	15.28	8	40.66	33	59.90	228
21.9	3.44	84	19.10	194	34.554	245	5.15	75	52.808	223	15.20	24	40.99	39	57.62	177
31.9	4.28	94	17.16	138	34.799	273	4.40	26	53.031	246	15.44	56	41.38	45	55.85	121
Apr. 10.8	5.22	102	15.78	76	35.072	296	4.14	25	53.277	267	16.00	89	41.83	49	54.64	61
20.8	6.24	106	15.02	15	35.368	312	4.39	74	53.544	284	16.89	118	42.32	52	54.03	3
30.8	7.30	105	14.87	49	35.680	321	5.13	122	53.828	294	18.07	145	42.84	53	54.06	63
Mai 10.8	8.35	104	15.36	108	36.001	323	6.35	164	54.122	298	19.52	168	43.37	52	54.69	123
20.7	9.39	98	16.44	165	36.324	317	7.99	203	54.420	295	21.20	184	43.89	50	55.92	178
30.7	10.37	88	18.09	216	36.641	302	10.02	234	54.715	285	23.04	196	44.39	47	57.70	227
Juni 9.7	11.25	78	20.25	260	36.943	279	12.36	259	55.000	268	25.00	202	44.86	43	59.97	270
19.6	12.03	64	22.85	298	37.222	249	14.95	277	55.268	242	27.02	201	45.29	36	62.67	304
29.6	12.67	50	25.83	327	37.471	212	17.72	287	55.510	213	29.03	197	45.65	31	65.71	332
Juli 9.6	13.17	33	29.10	347	37.683	171	20.59	290	55.723	175	31.00	188	45.96	22	69.03	350
19.6	13.50	17	32.57	361	37.854	125	23.49	287	55.898	135	32.88	174	46.18	15	72.53	360
29.5	13.67	1	36.18	366	37.979	77	26.36	278	56.033	91	34.62	157	46.33	7	76.13	363
Aug. 8.5	13.66	17	39.84	362	38.056	28	29.14	261	56.124	47	36.19	137	46.40	2	79.76	357
18.5	13.49	33	43.46	352	38.084	20	31.75	241	56.171	3	37.56	117	46.38	9	83.33	343
28.4	13.16	49	46.98	333	38.064	64	34.16	217	56.174	38	38.73	94	46.29	17	86.76	323
Sept. 7.4	12.67	64	50.31	308	38.000	105	36.33	187	56.136	76	39.67	71	46.12	23	89.99	295
17.4	12.03	75	53.39	275	37.895	138	38.20	155	56.060	107	40.38	49	45.89	30	92.94	262
27.4	11.28	87	56.14	237	37.757	166	39.75	120	55.953	132	40.87	26	45.59	35	95.56	222
Okt. 7.3	10.41	94	58.51	193	37.591	184	40.95	83	55.821	149	41.13	5	45.24	38	97.78	178
17.3	9.47	102	60.44	144	37.407	195	41.78	44	55.672	157	41.18	15	44.86	42	99.56	127
27.3	8.45	105	61.88	89	37.212	197	42.22	3	55.515	157	41.03	35	44.44	43	100.83	75
Nov. 6.3	7.40	106	62.77	33	37.015	191	42.25	37	55.358	151	40.68	53	44.01	43	101.58	18
16.2	6.34	104	63.10	27	36.824	178	41.88	78	55.207	137	40.15	71	43.58	42	101.76	40
26.2	5.30	99	62.83	87	36.646	158	41.10	117	55.070	117	39.44	86	43.16	39	101.36	96
Dez. 6.2	4.31	91	61.96	144	36.488	133	39.93	152	54.953	93	38.58	100	42.77	36	100.40	153
16.1	3.40	81	60.52	199	36.355	105	38.41	184	54.860	67	37.58	111	42.41	32	98.87	203
26.1	2.59	67	58.53	246	36.250	71	36.57	210	54.793	37	36.47	118	42.09	26	96.84	248
36.1	1.92		56.07		36.179		34.47		54.756		35.29		41.83		94.36	
Mittl. Ort	6.41		22.80		34.384		7.83		52.519		13.56		41.700		61.69	
sec δ, tg δ	4.735		+4.628		1.154		+0.575		1.004		+0.086		2.148		+1.901	

Mittlere Zeit Greenw.	804) ι Pegasi AR.		Dekl.		805) γ Pavonis AR.		Dekl.		806) ζ Capricorni AR.		Dekl.		808) β Aquarii AR.		Dekl.	
1921	21h 18m		+19° 27'		21h 19m		−65° 42'		21h 22m		−22° 44'		21h 27m		−5° 54'	
Jan. 1.1	25.545	38	68.08	179	53.31	13	93.49	249	8.984	20	73.81	27	23.653	25	64.57	62
11.1	25.507	5	66.29	187	53.18	4	91.00	274	8.964	13	73.54	42	23.628	6	65.19	56
21.1	25.502	28	64.42	188	53.14	5	88.26	294	8.977	46	73.12	56	23.634	35	65.75	46
31.0	25.530	61	62.54	181	53.19	12	85.32	305	9.023	80	72.56	71	23.669	65	66.21	34
Feb. 10.0	25.591	95	60.73	166	53.31	21	82.27	310	9.103	111	71.85	86	23.734	96	66.55	17
20.0	25.686	130	59.07	144	53.52	28	79.17	307	9.214	144	70.99	100	23.830	126	66.72	1
März 2.0	25.816	163	57.63	113	53.80	35	76.10	298	9.358	174	69.99	115	23.956	156	66.71	23
11.9	25.979	195	56.50	77	54.15	43	73.12	283	9.532	205	68.84	128	24.112	186	66.48	48
21.9	26.174	225	55.73	37	54.58	48	70.29	262	9.737	233	67.56	140	24.298	213	66.00	71
31.9	26.399	252	55.36	5	55.06	52	67.67	236	9.970	260	66.16	149	24.511	239	65.29	96
Apr. 10.8	26.651	274	55.41	49	55.58	58	65.31	206	10.230	283	64.67	157	24.750	263	64.33	118
20.8	26.925	293	55.90	90	56.16	60	63.25	171	10.513	302	63.10	160	25.013	280	63.15	138
30.8	27.218	303	56.80	131	56.76	63	61.54	131	10.815	315	61.50	159	25.293	294	61.77	154
Mai 10.8	27.521	307	58.11	165	57.39	64	60.23	90	11.130	322	59.91	153	25.587	302	60.23	166
20.7	27.828	305	59.76	196	58.03	63	59.33	47	11.452	322	58.38	144	25.889	302	58.57	173
30.7	28.133	293	61.72	219	58.66	61	58.86	1	11.774	314	56.94	131	26.191	294	56.84	175
Juni 9.7	28.426	274	63.91	238	59.27	58	58.85	43	12.088	299	55.63	114	26.485	280	55.09	172
19.7	28.700	249	66.29	249	59.85	52	59.28	87	12.387	275	54.49	94	26.765	258	53.37	165
29.6	28.949	216	68.78	254	60.37	46	60.15	127	12.662	244	53.55	70	27.023	229	51.72	152
Juli 9.6	29.165	178	71.32	253	60.83	39	61.42	165	12.906	207	52.85	47	27.252	193	50.20	137
19.6	29.343	136	73.85	245	61.22	30	63.07	196	13.113	164	52.38	23	27.445	155	48.83	119
29.5	29.479	91	76.30	233	61.52	20	65.03	221	13.277	118	52.15	1	27.600	111	47.64	99
Aug. 8.5	29.570	46	78.63	216	61.72	10	67.24	239	13.395	69	52.16	23	27.711	67	46.65	78
18.5	29.616	0	80.79	196	61.82	1	69.63	247	13.464	21	52.39	42	27.778	22	45.87	57
28.5	29.616	42	82.75	171	61.81	10	72.10	247	13.485	26	52.81	58	27.800	20	45.30	36
Sept. 7.4	29.574	81	84.46	145	61.71	20	74.57	237	13.459	68	53.39	70	27.780	60	44.94	17
17.4	29.493	114	85.91	117	61.51	28	76.94	217	13.391	105	54.09	78	27.720	93	44.77	1
27.4	29.379	140	87.08	86	61.23	36	79.11	188	13.286	134	54.87	81	27.627	120	44.78	17
Okt. 7.4	29.239	158	87.94	55	60.87	41	80.99	152	13.152	155	55.68	79	27.507	138	44.95	28
17.3	29.081	169	88.49	23	60.46	44	82.51	108	12.997	167	56.47	75	27.369	150	45.23	41
27.3	28.912	171	88.72	9	60.02	45	83.59	60	12.830	169	57.22	66	27.219	153	45.64	49
Nov. 6.3	28.741	165	88.63	41	59.57	45	84.19	8	12.661	163	57.88	54	27.066	148	46.13	56
16.2	28.576	155	88.22	73	59.12	43	84.27	44	12.498	149	58.42	43	26.918	136	46.69	61
26.2	28.421	136	87.49	102	58.69	38	83.83	96	12.349	128	58.85	28	26.782	119	47.30	66
Dez. 6.2	28.285	114	86.47	130	58.31	32	82.87	144	12.221	103	59.13	13	26.663	96	47.96	67
16.2	28.171	87	85.17	153	57.99	25	81.43	188	12.118	73	59.26	1	26.567	72	48.63	68
26.1	28.084	59	83.64	172	57.74	18	79.55	225	12.045	41	59.25	16	26.495	43	49.31	67
36.1	28.025		81.92		57.56		77.30		12.004		59.09		26.452		49.98	
Mittl. Ort	25.947		56.70		55.77		89.28		9.589		75.65		24.077		69.96	
sec δ, tg δ	1.061		+0.353		2.432		−2.217		1.084		−0.419		1.005		−0.104	

Mittlere Zeit Greenw.	809) β Cephei				810) ν Octantis				811) 74 Cygni				815) ε Pegasi			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	21h 27m		+70° 12′		21h 32m		−77° 43′		21h 33m		+40° 3′		21h 40m		+9° 30′	
Jan. 1.1	37.22	36	70.03	257	39.43	39	97.62	284	46.428	97	45.03	231	18.047	43	52.56	131
*11.1	36.86	26	67.46	293	39.04	21	94.78	313	46.331	58	42.72	253	18.004	15	51.25	133
21.1	36.60	16	64.53	318	38.83	5	91.65	334	46.273	17	40.19	265	17.989	14	49.92	132
31.0	36.44	4	61.35	330	38.78	11	88.31	346	46.256	27	37.54	268	18.003	45	48.60	123
Feb. 10.0	36.40	8	58.05	329	38.89	28	84.85	350	46.283	72	34.86	259	18.048	76	47.37	108
20.0	36.48	19	54.76	315	39.17	44	81.35	345	46.355	119	32.27	239	18.124	108	46.29	89
März 2.0	36.67	31	51.61	288	39.61	58	77.90	332	46.474	164	29.88	210	18.232	140	45.40	62
11.9	36.98	41	48.73	251	40.19	71	74.58	313	46.638	207	27.78	171	18.372	172	44.78	31
21.9	37.39	50	46.22	203	40.90	84	71.45	287	46.845	248	26.07	125	18.544	203	44.47	2
31.9	37.89	58	44.19	150	41.74	94	68.58	254	47.093	284	24.82	75	18.747	231	44.49	37
Apr. 10.9	38.47	64	42.69	89	42.68	102	66.04	218	47.377	314	24.07	21	18.978	256	44.86	72
20.8	39.11	68	41.80	27	43.70	109	63.86	176	47.691	337	23.86	34	19.234	277	45.58	106
30.8	39.79	69	41.53	35	44.79	113	62.10	131	48.028	351	24.20	88	19.511	292	46.64	137
Mai 10.8	40.48	69	41.88	96	45.92	115	60.79	83	48.379	357	25.08	137	19.803	300	48.01	164
20.7	41.17	67	42.84	153	47.07	114	59.96	33	48.736	352	26.45	184	20.103	302	49.65	186
30.7	41.84	62	44.37	206	48.21	111	59.63	18	49.088	340	28.29	224	20.405	295	51.51	202
Juni 9.7	42.46	57	46.43	252	49.32	105	59.81	67	49.428	317	30.53	258	20.700	282	53.53	214
19.7	43.03	48	48.95	291	50.37	96	60.48	116	49.745	286	33.11	284	20.982	260	55.67	218
29.6	43.51	41	51.86	323	51.33	85	61.64	160	50.031	248	35.95	304	21.242	231	57.85	218
Juli 9.6	43.92	30	55.09	345	52.18	71	63.24	201	50.279	203	38.99	315	21.473	198	60.03	212
19.6	44.22	20	58.54	361	52.89	55	65.25	234	50.482	155	42.14	319	21.671	159	62.15	201
29.6	44.42	9	62.15	368	53.44	37	67.59	261	50.637	102	45.33	316	21.830	116	64.16	186
Aug. 8.5	44.51	2	65.83	367	53.81	19	70.20	278	50.739	49	48.49	306	21.946	73	66.02	169
18.5	44.49	12	69.50	358	54.00	0	72.98	287	50.788	3	51.55	290	22.019	28	67.71	147
28.5	44.37	23	73.08	341	54.00	19	75.85	284	50.785	54	54.45	269	22.047	14	69.18	124
Sept. 7.4	44.14	31	76.49	317	53.81	38	78.69	272	50.731	99	57.14	241	22.033	52	70.42	101
17.4	43.83	41	79.66	287	53.43	55	81.41	249	50.632	140	59.55	209	21.981	87	71.43	76
27.4	43.42	47	82.53	250	52.88	69	83.90	215	50.492	172	61.64	174	21.894	114	72.19	52
Okt. 7.4	42.95	53	85.03	207	52.19	81	86.05	173	50.320	198	63.38	133	21.780	134	72.71	27
17.3	42.42	58	87.10	159	51.38	89	87.78	123	50.122	215	64.71	92	21.646	148	72.98	3
27.3	41.84	60	88.69	105	50.49	94	89.01	68	49.907	224	65.63	46	21.498	152	73.01	20
Nov. 6.3	41.24	62	89.74	48	49.55	94	89.69	9	49.683	224	66.09	1	21.346	150	72.81	43
16.2	40.62	62	90.22	10	48.61	91	89.78	51	49.459	216	66.08	48	21.196	142	72.38	64
26.2	40.00	59	90.12	70	47.70	85	89.27	110	49.243	201	65.60	94	21.054	129	71.74	83
Dez. 6.2	39.41	55	89.42	128	46.85	75	88.17	166	49.042	180	64.66	139	20.925	109	70.91	101
16.2	38.86	48	88.14	184	46.10	62	86.51	215	48.862	153	63.27	180	20.816	87	69.90	117
26.1	38.38	42	86.30	233	45.48	48	84.36	258	48.709	122	61.47	215	20.729	61	68.73	127
36.1	37.96		83.97		45.00		81.78		48.587		59.32		20.668		67.46	
Mittl. Ort	38.84		49.37		44.76		91.80		46.857		28.94		18.348		43.59	
sec δ, tg δ	2.954		+2.780		4.710		−4.603		1.306		+0.841		1.014		+0.167	

Mittlere Zeit Greenw.	819) δ Capricorni				821) π² Cygni				822) γ Gruis				823) 16 Pegasi			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	21ʰ 42ᵐ		−16° 28′		21ʰ 43ᵐ		+48° 56′		21ʰ 49ᵐ		−37° 43′		21ʰ 49ᵐ		+25° 33′	
	s		″		s		″		s		″		s		″	
Jan. 1.1	40.499	36	68.89	8	51.924	144	54.53	236	8.191	60	76.20	99	27.741	72	23.31	183
11.1	40.463	6	68.97	5	51.780	101	52.17	266	8.131	24	75.21	124	27.669	42	21.48	198
21.1	40.457	24	68.92	18	51.679	52	49.51	285	8.107	14	73.97	145	27.627	10	19.50	205
31.1	40.481	54	68.74	34	51.627	0	46.66	292	8.121	52	72.52	165	27.617	24	17.45	204
Feb. 10.0	40.535	86	68.40	50	51.627	55	43.74	288	8.173	90	70.87	180	27.641	60	15.41	194
20.0	40.621	116	67.90	68	51.682	111	40.86	272	8.263	129	69.07	193	27.701	97	13.47	175
März 2.0	40.737	148	67.22	85	51.793	166	38.14	246	8.392	166	67.14	204	27.798	135	11.72	148
11.9	40.885	179	66.37	104	51.959	219	35.68	208	8.558	203	65.10	209	27.933	171	10.24	114
21.9	41.064	210	65.33	122	52.178	269	33.60	163	8.761	240	63.01	212	28.104	207	9.10	73
31.9	41.274	237	64.11	137	52.447	312	31.97	111	9.001	272	60.89	211	28.311	240	8.37	31
Apr. 10.9	41.511	263	62.74	150	52.759	349	30.86	55	9.273	303	58.78	205	28.551	269	8.06	15
20.8	41.774	284	61.24	160	53.108	377	30.31	2	9.576	328	56.73	195	28.820	291	8.21	61
30.8	42.058	301	59.64	166	53.485	394	30.33	59	9.904	348	54.78	181	29.111	309	8.82	105
Mai 10.8	42.359	311	57.98	168	53.879	402	30.92	115	10.252	362	52.97	162	29.420	317	9.87	145
20.8	42.670	314	56.30	165	54.281	397	32.07	167	10.614	366	51.35	138	29.737	320	11.32	182
30.7	42.984	310	54.65	156	54.678	383	33.74	212	10.980	363	49.97	111	30.057	312	13.14	213
Juni 9.7	43.294	297	53.09	145	55.061	359	35.86	252	11.343	350	48.86	82	30.369	298	15.27	237
19.7	43.591	278	51.64	129	55.420	323	38.38	285	11.693	329	48.04	50	30.667	274	17.64	256
29.6	43.869	250	50.35	109	55.743	281	41.23	311	12.022	298	47.54	16	30.941	244	20.20	267
Juli 9.6	44.119	216	49.26	88	56.024	230	44.34	328	12.320	259	47.38	17	31.185	208	22.87	272
19.6	44.335	176	48.38	64	56.254	176	47.62	338	12.579	213	47.55	48	31.393	166	25.59	270
29.6	44.511	133	47.74	40	56.430	117	51.00	340	12.792	162	48.03	78	31.559	122	28.29	263
Aug. 8.5	44.644	87	47.34	17	56.547	57	54.40	335	12.954	109	48.81	104	31.681	76	30.92	250
18.5	44.731	41	47.17	5	56.604	2	57.75	323	13.063	52	49.85	125	31.757	29	33.42	232
28.5	44.772	4	47.22	25	56.602	59	60.98	303	13.115	2	51.10	141	31.786	16	35.74	210
Sept. 7.5	44.768	47	47.47	41	56.543	112	64.01	278	13.113	54	52.51	150	31.770	57	37.84	186
17.4	44.721	82	47.88	54	56.431	158	66.79	248	13.059	100	54.01	151	31.713	93	39.70	156
27.4	44.639	113	48.42	64	56.273	199	69.27	212	12.959	139	55.52	148	31.620	124	41.26	126
Okt. 7.4	44.526	136	49.06	69	56.074	230	71.39	170	12.820	169	57.00	135	31.496	146	42.52	92
17.3	44.390	149	49.75	70	55.844	252	73.09	127	12.651	190	58.35	119	31.350	163	43.44	59
27.3	44.241	156	50.45	69	55.592	267	74.36	78	12.461	199	59.54	96	31.187	171	44.03	23
Nov. 6.3	44.085	152	51.14	64	55.325	271	75.14	27	12.262	198	60.50	69	31.016	172	44.26	14
16.3	43.933	143	51.78	58	55.054	267	75.41	25	12.064	189	61.19	40	30.844	166	44.12	50
26.2	43.790	127	52.36	50	54.787	254	75.16	77	11.875	171	61.59	9	30.678	154	43.62	85
Dez. 6.2	43.663	107	52.86	41	54.533	234	74.39	127	11.704	147	61.68	21	30.524	138	42.77	118
16.2	43.556	82	53.27	29	54.299	207	73.12	175	11.557	117	61.47	52	30.386	116	41.59	147
26.2	43.474	54	53.56	19	54.092	171	71.37	217	11.440	83	60.95	80	30.270	91	40.12	173
36.1	43.420		53.75		53.921		69.20		11.357		60.15		30.179		38.39	
Mittl. Ort	40.957		71.29		52.387		36.44		8.982		73.68		27.986		10.31	
sec δ, tg δ	1.043		−0.296		1.522		+1.148		1.265		−0.774		1.108		+0.478	

Mittlere Zeit Greenw.	827) α Aquarii AR.		Dekl.		828) ι Aquarii AR.		Dekl.		830) 20 Cephei AR.		Dekl.		829) α Gruis AR.		Dekl.	
1921	22h 1m		−0° 41′		22h 2m		−14° 14′		22h 2m		+62° 23′		22h 3m		−47° 20′	
Jan. 1.1	43.369	52	69.33	81	9.995	52	70.40	20	35.81	28	80.41	225	14.648	100	45.05	138
11.1	43.317	26	70.14	78	9.943	24	70.60	7	35.53	22	78.16	264	14.548	58	43.67	169
21.1	43.291	— 0	70.92	71	9.919	— 3	70.67	— 7	35.31	15	75.52	293	14.490	14	41.98	195
31.1	43.291	28	71.63	60	9.922	33	70.60	22	35.16	8	72.59	311	14.476	— 31	40.03	217
Feb. 10.0	43.319	59	72.23	44	9.955	63	70.38	40	35.08	— 1	69.48	316	14.507	76	37.86	234
20.0	43.378	89	72.67	25	10.018	95	69.98	59	35.09	9	66.32	309	14.583	122	35.52	247
März 2.0	43.467	121	72.92	2	10.113	126	69.39	78	35.18	17	63.23	289	14.705	167	33.05	254
12.0	43.588	153	72.94	— 23	10.239	158	68.61	98	35.35	25	60.34	257	14.872	211	30.51	256
21.9	43.741	185	72.71	51	10.397	190	67.63	117	35.60	33	57.77	216	15.083	253	27.95	254
31.9	43.926	215	72.20	78	10.587	221	66.46	135	35.93	40	55.61	166	15.336	294	25.41	247
Apr. 10.9	44.141	242	71.42	105	10.808	248	65.11	151	36.33	45	53.95	112	15.630	330	22.94	234
20.8	44.383	266	70.37	130	11.056	273	63.60	164	36.78	49	52.83	52	15.960	362	20.60	217
30.8	44.649	285	69.07	152	11.329	291	61.96	173	37.27	52	52.31	— 9	16.322	387	18.43	194
Mai 10.8	44.934	297	67.55	170	11.620	305	60.23	176	37.79	54	52.40	68	16.709	405	16.49	167
20.8	45.231	302	65.85	182	11.925	312	58.47	176	38.33	53	53.08	126	17.114	413	14.82	136
30.7	45.533	301	64.03	190	12.237	310	56.71	170	38.86	51	54.34	179	17.527	412	13.46	101
Juni 9.7	45.834	291	62.13	192	12.547	301	55.01	161	39.37	49	56.13	227	17.939	401	12.45	64
19.7	46.125	273	60.21	190	12.848	284	53.40	146	39.86	43	58.40	269	18.340	379	11.81	25
29.7	46.398	249	58.31	181	13.132	260	51.94	127	40.29	38	61.09	302	18.719	347	11.56	— 15
Juli 9.6	46.647	217	56.50	170	13.392	227	50.67	107	40.67	32	64.11	330	19.066	306	11.71	53
19.6	46.864	181	54.80	154	13.619	191	49.60	83	40.99	24	67.41	349	19.372	256	12.24	90
29.6	47.045	140	53.26	135	13.810	148	48.77	59	41.23	17	70.90	359	19.628	199	13.14	123
Aug. 8.5	47.185	97	51.91	114	13.958	104	48.18	35	41.40	9	74.49	363	19.827	137	14.37	151
18.5	47.282	54	50.77	91	14.062	59	47.83	11	41.49	1	78.12	358	19.964	74	15.88	173
28.5	47.336	10	49.86	69	14.121	14	47.72	— 11	41.50	— 7	81.70	346	20.038	10	17.61	189
Sept. 7.5	47.346	— 28	49.17	48	14.135	— 28	47.83	29	41.43	15	85.16	326	20.048	— 49	19.50	197
17.4	47.318	65	48.69	26	14.107	65	48.12	46	41.28	21	88.42	300	19.999	107	21.47	195
27.4	47.253	94	48.43	7	14.042	97	48.58	57	41.07	26	91.42	268	19.892	154	23.42	188
Okt. 7.4	47.159	117	48.36	— 11	13.945	121	49.15	66	40.81	32	94.10	228	19.738	193	25.30	170
17.4	47.042	132	48.47	27	13.824	138	49.81	70	40.49	36	96.38	183	19.545	221	27.00	146
27.3	46.910	141	48.74	41	13.686	147	50.51	71	40.13	39	98.21	135	19.324	237	28.46	115
Nov. 6.3	46.769	142	49.15	53	13.539	148	51.22	69	39.74	41	99.56	80	19.087	242	29.61	80
16.3	46.627	137	49.68	63	13.391	141	51.91	65	39.33	41	100.36	24	18.845	235	30.41	41
26.2	46.490	125	50.31	71	13.250	130	52.56	58	38.92	41	100.60	— 34	18.610	219	30.82	2
Dez. 6.2	46.365	110	51.02	78	13.120	113	53.14	50	38.51	38	100.26	92	18.391	194	30.84	— 39
16.2	46.255	91	51.80	82	13.007	92	53.64	41	38.13	36	99.34	147	18.197	162	30.45	78
26.2	46.164	68	52.62	84	12.915	68	54.05	29	37.77	31	97.87	199	18.035	125	29.67	115
36.1	46.096		53.46		12.847		54.34		37.46		95.88		17.910		28.52	
Mittl. Ort	43.617		75.22		10.353		72.63		36.37		59.51		15.673		39.93	
sec δ, tg δ	1.000		—0.012		1.032		—0.254		2.158		+1.913		1.476		—1.085	

Mittlere Zeit Greenw.	834) ϑ Pegasi				835) π Pegasi				836) ζ Cephei				837) 24 Cephei			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	22h 6m		+5° 48′		22h 6m		+32° 47′		22h 8m		+57° 48′		22h 8m		+71° 56′	
Jan. 1.1	12.703	58	38.66	107	28.467	101	39.12	191	6.281	234	61.39	219	16.57	48	88.97	213
11.1	12.645	34	37.59	109	28.366	71	37.21	213	6.047	183	59.20	257	16.09	39	86.84	257
21.1	12.611	7	36.50	105	28.295	39	35.08	226	5.864	127	56.63	285	15.70	29	84.27	292
31.1	12.604	22	35.45	97	28.256	2	32.82	230	5.737	63	53.78	302	15.41	17	81.35	315
Feb. 10.0	12.626	52	34.48	83	28.254	37	30.52	225	5.674	5	50.76	307	15.24	5	78.20	325
20.0	12.678	83	33.65	64	28.291	78	28.27	210	5.679	76	47.69	299	15.19	9	74.95	323
März 2.0	12.761	116	33.01	40	28.369	120	26.17	185	5.755	149	44.70	279	15.28	21	71.72	308
12.0	12.877	149	32.61	12	28.489	162	24.32	152	5.904	219	41.91	248	15.49	33	68.64	280
21.9	13.026	181	32.49	18	28.651	202	22.80	113	6.123	285	39.43	207	15.82	46	65.84	241
31.9	13.207	213	32.67	49	28.853	239	21.67	68	6.408	344	37.36	159	16.28	55	63.43	194
Apr. 10.9	13.420	241	33.16	82	29.092	273	20.99	21	6.752	395	35.77	105	16.83	64	61.49	140
20.8	13.661	265	33.98	112	29.365	301	20.78	29	7.147	434	34.72	46	17.47	70	60.09	82
30.8	13.926	284	35.10	139	29.666	321	21.07	77	7.581	461	34.26	13	18.17	73	59.27	20
Mai 10.8	14.210	298	36.49	163	29.987	333	21.84	124	8.042	476	34.39	71	18.90	76	59.07	41
20.8	14.508	303	38.12	183	30.320	338	23.08	165	8.518	477	35.10	128	19.66	75	59.48	100
30.7	14.811	302	39.95	197	30.658	332	24.73	203	8.995	464	36.38	180	20.41	73	60.48	156
Juni 9.7	15.113	292	41.92	205	30.990	319	26.76	235	9.459	438	38.18	226	21.14	68	62.04	208
19.7	15.405	274	43.97	208	31.309	296	29.11	259	9.897	402	40.44	266	21.82	61	64.12	253
29.7	15.679	250	46.05	206	31.605	266	31.70	277	10.299	353	43.10	299	22.43	53	66.65	292
Juli 9.6	15.929	219	48.11	198	31.871	229	34.47	289	10.652	298	46.09	325	22.96	44	69.57	323
19.6	16.148	183	50.09	186	32.100	188	37.36	293	10.950	235	49.34	343	23.40	34	72.80	346
29.6	16.331	142	51.95	170	32.288	141	40.29	290	11.185	167	52.77	353	23.74	22	76.26	363
Aug. 8.5	16.473	100	53.65	152	32.429	93	43.19	282	11.352	97	56.30	356	23.96	11	79.89	370
18.5	16.573	56	55.17	130	32.522	44	46.01	269	11.449	27	59.86	350	24.07	0	83.59	370
28.5	16.629	13	56.47	108	32.566	3	48.70	248	11.476	42	63.36	337	24.07	11	87.29	362
Sept. 7.5	16.642	26	57.55	85	32.563	47	51.18	225	11.434	106	66.73	318	23.96	23	90.91	347
17.4	16.616	61	58.40	62	32.516	86	53.43	197	11.328	166	69.91	291	23.73	32	94.38	323
27.4	16.555	92	59.02	38	32.430	120	55.40	165	11.162	218	72.82	259	23.41	41	97.61	293
Okt. 7.4	16.463	114	59.40	17	32.310	147	57.05	131	10.944	262	75.41	221	23.00	49	100.54	257
17.4	16.349	131	59.57	4	32.163	167	58.36	94	10.682	297	77.62	177	22.51	56	103.11	213
27.3	16.218	139	59.53	24	31.996	179	59.30	54	10.385	323	79.39	128	21.95	60	105.24	165
Nov. 6.3	16.079	142	59.29	42	31.817	185	59.84	14	10.062	338	80.67	77	21.35	64	106.89	110
16.3	15.937	138	58.87	59	31.632	183	59.98	27	9.724	343	81.44	21	20.71	65	107.99	52
26.2	15.799	128	58.28	74	31.449	175	59.71	68	9.381	338	81.65	34	20.06	66	108.51	7
Dez. 6.2	15.671	113	57.54	87	31.274	162	59.03	108	9.043	323	81.31	91	19.40	63	108.44	69
16.2	15.558	96	56.67	99	31.112	144	57.95	144	8.720	297	80.40	145	18.77	60	107.75	128
26.2	15.462	74	55.68	106	30.968	119	56.51	176	8.423	263	78.95	194	18.17	53	106.47	184
36.1	15.388		54.62		30.849		54.75		8.160		77.01		17.64		104.63	
Mittl. Ort	12.894		31.05		28.617		24.22		6.652		41.10		17.53		66.65	
sec δ, tg δ	1.005		+0.102		1.189		+0.644		1.877		+1.589		3.228		+3.069	

Mittlere Zeit Greenw.	840) ϑ Aquarii				841) α Tucanae				842) γ Aquarii				844) 3 Lacertae			
	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl	Δ
1921	22h 12m		−8° 10′		22h 13m		−60° 38′		22h 17m		−1° 46′		22h 20m		+51° 49′	
	s		″		s		″		s		″		s		″	
Jan. 1.2	39.728	59	34.38	48	4.46	19	82.33	190	34.405	62	64.37	75	26.875	196	77.41	205
11.1	39.669	33	34.86	39	4.27	13	80.43	227	34.343	39	65.12	71	26.679	156	75.36	241
21.1	39.636	8	35.25	28	4.14	6	78.16	257	34.304	14	65.83	62	26.523	111	72.95	269
31.1	39.628	21	35.53	13	4.08	1	75.59	281	34.290	14	66.45	51	26.412	60	70.26	285
Feb. 10.0	39.649	50	35.66	3	4.07	7	72.78	297	34.304	43	66.96	36	26.352	3	67.41	290
20.0	39.699	81	35.63	22	4.14	13	69.81	308	34.347	73	67.32	16	26.349	56	64.51	283
März 2.0	39.780	113	35.41	44	4.27	19	66.73	311	34.420	106	67.48	6	26.405	118	61.68	265
12.0	39.893	145	34.97	67	4.46	25	63.62	308	34.526	139	67.42	31	26.523	179	59.03	235
21.9	40.038	178	34.30	89	4.71	32	60.54	299	34.665	172	67.11	57	26.702	237	56.68	196
31.9	40.216	208	33.41	112	5.03	37	57.55	283	34.837	203	66.54	84	26.939	291	54.72	151
Apr. 10.9	40.424	238	32.29	133	5.40	42	54.72	261	35.040	233	65.70	109	27.230	338	53.21	98
20.9	40.662	263	30.96	152	5.82	46	52.11	234	35.273	258	64.61	134	27.568	375	52.23	42
30.8	40.925	283	29.44	166	6.28	50	49.77	202	35.531	280	63.27	155	27.943	404	51.81	14
Mai 10.8	41.208	299	27.78	176	6.78	52	47.75	165	35.811	295	61.72	171	28.347	421	51.95	71
20.8	41.507	305	26.02	183	7.30	54	46.10	125	36.106	303	60.01	184	28.768	427	52.66	125
30.7	41.812	307	24.19	183	7.84	53	44.85	80	36.409	303	58.17	190	29.195	419	53.91	174
Juni 9.7	42.119	298	22.36	178	8.37	52	44.05	35	36.712	297	56.27	193	29.614	402	55.65	219
19.7	42.417	283	20.58	170	8.89	50	43.70	11	37.009	281	54.34	188	30.016	373	57.84	257
29.7	42.700	260	18.88	155	9.39	46	43.81	58	37.290	258	52.46	181	30.389	334	60.41	289
Juli 9.6	42.960	229	17.33	139	9.85	41	44.39	102	37.548	230	50.65	168	30.723	288	63.30	314
19.6	43.189	195	15.94	118	10.26	34	45.41	143	37.778	194	48.97	151	31.011	235	66.44	331
29.6	43.384	154	14.76	96	10.60	27	46.84	178	37.972	155	47.46	131	31.246	176	69.75	340
Aug. 8.6	43.538	111	13.80	72	10.87	18	48.62	208	38.127	113	46.15	110	31.422	116	73.15	341
18.5	43.649	67	13.08	49	11.05	10	50.70	231	38.240	69	45.05	88	31.538	54	76.56	337
28.5	43.716	23	12.59	26	11.15	2	53.01	244	38.309	27	44.17	65	31.592	6	79.93	323
Sept. 7.5	43.739	17	12.33	5	11.17	7	55.45	248	38.336	13	43.52	42	31.586	63	83.16	305
17.4	43.722	55	12.28	14	11.10	14	57.93	243	38.323	50	43.10	21	31.523	117	86.21	280
27.4	43.667	85	12.42	30	10.96	22	60.36	228	38.273	81	42.89	1	31.406	162	89.01	248
Okt. 7.4	43.582	111	12.72	43	10.74	28	62.64	203	38.192	105	42.88	15	31.244	202	91.49	212
17.4	43.471	128	13.15	53	10.46	31	64.67	170	38.087	123	43.03	31	31.042	234	93.61	170
27.3	43.343	138	13.68	61	10.15	35	66.37	129	37.964	134	43.34	44	30.808	257	95.31	125
Nov. 6.3	43.205	140	14.29	64	9.80	36	67.66	83	37.830	138	43.78	55	30.551	272	96.56	75
16.3	43.065	137	14.93	66	9.44	36	68.49	34	37.692	134	44.33	63	30.279	277	97.31	23
26.3	42.928	128	15.59	67	9.08	34	68.83	17	37.558	127	44.96	70	30.002	276	97.54	30
Dez. 6.2	42.800	113	16.26	65	8.74	32	68.66	69	37.431	114	45.66	75	29.726	265	97.24	83
16.2	42.687	95	16.91	60	8.42	27	67.97	117	37.317	97	46.41	78	29.461	247	96.41	134
26.2	42.592	74	17.51	55	8.15	22	66.80	162	37.220	77	47.19	78	29.214	218	95.07	181
36.1	42.518		18.06		7.93		65.18		37.143		47.97		28.996		93.26	
Mittl. Ort	39.982		37.90		6.15		74.63		34.587		69.56		27.016		58.01	
sec δ, tg δ	1.010		−0.144		2.041		−1.779		1.000		−0.031		1.618		+1.272	

Mittlere Zeit Greenw.	848) 7 Lacertae				850) η Aquarii				852) 10 Lacertae				855) ζ Pegasi			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	22h 28m		+49° 52′		22h 31m		−0° 31′		22h 35m		+38° 38′		22h 37m		+10° 25′	
	s		″		s		″		s		″		s		″	
Jan. 1.2	1.970	188	52.40	196	17.739	72	25.42	79	42.884	140	35.77	178	31.278	82	15.03	114
11.1	1.782	153	50.44	232	17.667	51	26.21	75	42.744	112	33.99	208	31.196	62	13.89	120
21.1	1.629	111	48.12	259	17.616	26	26.96	67	42.632	81	31.91	228	31.134	38	12.69	121
31.1	1.518	63	45.53	276	17.590	0	27.63	57	42.551	43	29.63	240	31.096	11	11.48	115
Feb. 10.1	1.455	10	42.77	282	17.590	29	28.20	41	42.508	3	27.23	242	31.085	18	10.33	105
20.0	1.445	46	39.95	276	17.619	59	28.61	23	42.505	41	24.81	234	31.103	50	9.28	88
März 2.0	1.491	105	37.19	259	17.678	92	28.84	1	42.546	88	22.47	215	31.153	84	8.40	66
12.0	1.596	164	34.60	230	17.770	125	28.85	24	42.634	135	20.32	187	31.237	119	7.74	40
21.9	1.760	220	32.30	194	17.895	159	28.61	51	42.769	183	18.45	151	31.356	155	7.34	9
31.9	1.980	273	30.36	148	18.054	192	28.10	78	42.952	227	16.94	109	31.511	189	7.25	24
Apr. 10.9	2.253	320	28.88	98	18.246	224	27.32	105	43.179	267	15.85	62	31.700	222	7.49	57
20.9	2.573	359	27.90	43	18.470	251	26.27	130	43.446	302	15.23	12	31.922	252	8.06	91
30.8	2.932	388	27.47	12	18.721	274	24.97	151	43.748	330	15.11	38	32.174	275	8.97	122
Mai 10.8	3.320	406	27.59	68	18.995	292	23.46	170	44.078	348	15.49	88	32.449	293	10.19	151
20.8	3.726	414	28.27	121	19.287	302	21.76	184	44.426	358	16.37	135	32.742	305	11.70	175
30.8	4.140	410	29.48	170	19.589	304	19.92	193	44.784	358	17.72	177	33.047	307	13.45	194
Juni 9.7	4.550	395	31.18	214	19.893	299	17.99	196	45.142	348	19.49	215	33.354	302	15.39	208
19.7	4.945	369	33.32	253	20.192	287	16.03	193	45.490	330	21.64	246	33.656	289	17.47	216
29.7	5.314	334	35.85	283	20.479	265	14.10	187	45.820	301	24.10	272	33.945	269	19.63	219
Juli 9.6	5.648	290	38.68	309	20.744	238	12.23	175	46.121	266	26.82	289	34.214	240	21.82	216
19.6	5.938	240	41.77	325	20.982	205	10.48	159	46.387	225	29.71	301	34.454	208	23.98	208
29.6	6.178	185	45.02	335	21.187	166	8.89	140	46.612	179	32.72	305	34.662	169	26.06	195
Aug. 8.6	6.363	127	48.37	336	21.353	125	7.49	119	46.791	130	35.77	302	34.831	128	28.01	179
18.5	6.490	68	51.73	332	21.478	83	6.30	96	46.921	80	38.79	294	34.959	85	29.80	160
28.5	6.558	9	55.05	320	21.561	39	5.34	73	47.001	30	41.73	280	35.044	44	31.40	137
Sept. 7.5	6.567	45	58.25	302	21.600	0	4.61	51	47.031	18	44.53	260	35.088	3	32.77	115
17.5	6.522	97	61.27	276	21.600	37	4.10	28	47.013	61	47.13	235	35.091	34	33.92	91
27.4	6.425	143	64.03	247	21.563	69	3.82	8	46.952	99	49.48	206	35.057	66	34.83	67
Okt. 7.4	6.282	181	66.50	212	21.494	95	3.74	10	46.853	132	51.54	172	34.991	93	35.50	42
17.4	6.101	212	68.62	171	21.399	115	3.84	27	46.721	158	53.26	136	34.898	112	35.92	19
27.3	5.889	236	70.33	127	21.284	127	4.11	41	46.563	177	54.62	96	34.786	126	36.11	3
Nov. 6.3	5.653	252	71.60	79	21.157	133	4.52	52	46.386	189	55.58	54	34.660	134	36.08	26
16.3	5.401	259	72.39	28	21.024	132	5.04	63	46.197	195	56.12	9	34.526	136	35.82	47
26.3	5.142	258	72.67	24	20.892	127	5.67	70	46.002	194	56.21	34	34.390	132	35.35	65
Dez. 6.2	4.884	250	72.43	76	20.765	117	6.37	77	45.808	188	55.87	79	34.258	123	34.70	83
16.2	4.634	233	71.67	126	20.648	103	7.14	79	45.620	174	55.08	121	34.135	111	33.87	99
26.2	4.401	210	70.41	172	20.545	85	7.93	81	45.446	156	53.87	159	34.024	95	32.88	110
36.2	4.191		68.69		20.460		8.74		45.290		52.28		33.929		31.78	
Mittl. Ort	2.016		33.31		17.844		30.62		42.824		19.27		31.282		6.64	
sec δ, tg δ	1.552		+1.187		1.000		−0.009		1.280		+0.799		1.017		+0.184	

Mittlere Zeit Greenw.	856) β Gruis AR.	Δ	856) β Gruis Dekl.	Δ	857) η Pegasi AR.	Δ	857) η Pegasi Dekl.	Δ	859) λ Pegasi AR.	Δ	859) λ Pegasi Dekl.	Δ	860) ε Gruis AR.	Δ	860) ε Gruis Dekl.	Δ
1921	$22^h\ 37^m$		$-47°\ 17'$		$22^h\ 39^m$		$+29°\ 48'$		$22^h\ 42^m$		$+23°\ 8'$		$22^h\ 43^m$		$-51°\ 43'$	
Jan. 1.2	$56^s.480$	139	$61''.38$	115	$17^s.879$	115	$41''.43$	162	$43^s.525$	102	$70''.40$	146	$46^s.378$	168	$66''.38$	130
11.1	56.341	103	60.23	152	17.764	91	39.81	184	43.423	81	68.94	163	46.210	128	65.08	168
21.1	56.238	64	58.71	184	17.673	64	37.97	199	43.342	56	67.31	173	46.082	86	63.40	203
31.1	56.174	23	56.87	212	17.609	32	35.98	206	43.286	27	65.58	176	45.996	40	61.37	232
Feb. 10.1	56.151	21	54.75	234	17.577	3	33.92	204	43.259	5	63.82	171	45.956	8	59.05	255
20.0	56.172	66	52.41	252	17.580	41	31.88	193	43.264	40	62.11	160	45.964	58	56.50	274
März 2.0	56.238	112	49.89	266	17.621	82	29.95	173	43.304	78	60.51	138	46.022	108	53.76	286
12.0	56.350	159	47.23	273	17.703	124	28.22	146	43.382	117	59.13	111	46.130	159	50.90	293
21.9	56.509	205	44.50	275	17.827	166	26.76	111	43.499	156	58.02	79	46.289	211	47.97	293
31.9	56.714	250	41.75	272	17.993	206	25.65	72	43.655	195	57.23	41	46.500	259	45.04	287
Apr. 10.9	56.964	291	39.03	263	18.199	244	24.93	27	43.850	231	56.82	0	46.759	306	42.17	277
20.9	57.255	330	36.40	248	18.443	276	24.66	17	44.081	262	56.82	41	47.065	349	39.40	259
30.8	57.585	363	33.92	229	18.719	302	24.83	63	44.343	287	57.23	82	47.414	384	36.81	236
Mai 10.8	57.948	387	31.63	203	19.021	321	25.46	107	44.630	307	58.05	121	47.798	412	34.45	207
20.8	58.335	404	29.60	173	19.342	332	26.53	148	44.937	318	59.26	156	48.210	432	32.38	174
30.8	58.739	412	27.87	138	19.674	333	28.01	183	45.255	322	60.82	187	48.642	441	30.64	136
Juni 9.7	59.151	408	26.49	101	20.007	326	29.84	215	45.577	315	62.69	213	49.083	438	29.28	95
19.7	59.559	394	25.48	59	20.333	310	31.99	240	45.892	302	64.82	232	49.521	426	28.33	51
29.7	59.953	369	24.89	18	20.643	286	34.39	258	46.194	279	67.14	246	49.947	400	27.82	7
Juli 9.6	60.322	335	24.71	25	20.929	255	36.97	270	46.473	251	69.60	254	50.347	364	27.75	38
19.6	60.657	292	24.96	65	21.184	218	39.67	276	46.724	215	72.14	254	50.711	318	28.13	81
29.6	60.949	239	25.61	104	21.402	175	42.43	276	46.939	176	74.68	251	51.029	264	28.94	121
Aug. 8.6	61.188	182	26.65	138	21.577	131	45.19	269	47.115	133	77.19	240	51.293	202	30.15	156
18.5	61.370	121	28.03	167	21.708	85	47.88	258	47.248	89	79.59	226	51.495	136	31.71	186
28.5	61.491	57	29.70	189	21.793	38	50.46	240	47.337	45	81.85	208	51.631	68	33.57	209
Sept. 7.5	61.548	4	31.59	203	21.831	5	52.86	220	47.382	3	83.93	186	51.699	0	35.66	223
17.5	61.544	62	33.62	210	21.826	45	55.06	194	47.385	35	85.79	162	51.699	64	37.89	228
27.4	61.482	115	35.72	207	21.781	80	57.00	167	47.350	69	87.41	134	51.635	122	40.17	225
Okt. 7.4	61.367	158	37.79	195	21.701	110	58.67	135	47.281	98	88.75	106	51.513	172	42.42	211
17.4	61.209	193	39.74	176	21.591	134	60.02	102	47.183	120	89.81	76	51.341	212	44.53	189
27.3	61.016	218	41.50	149	21.457	150	61.04	67	47.063	136	90.57	44	51.129	242	46.42	158
Nov. 6.3	60.798	232	42.99	115	21.307	161	61.71	30	46.927	146	91.01	12	50.887	258	48.00	122
16.3	60.566	234	44.14	78	21.146	165	62.01	7	46.781	149	91.13	20	50.629	264	49.22	81
26.3	60.332	227	44.92	36	20.981	164	61.94	45	46.632	149	90.93	51	50.365	258	50.03	36
Dez. 6.2	60.105	212	45.28	6	20.817	157	61.49	82	46.483	141	90.42	82	50.107	244	50.39	11
16.2	59.893	189	45.22	49	20.660	145	60.67	116	46.342	131	89.60	110	49.863	220	50.28	57
26.2	59.704	159	44.73	90	20.515	130	59.51	147	46.211	116	88.50	134	49.643	189	49.71	102
36.2	59.545		43.83		20.385		58.04		46.095		87.16		49.454		48.69	
Mittl. Ort	57.333		54.10		17.800		27.31		43.442		58.23		47.370		57.93	
sec δ, tg δ	1.475		−1.084		1.152		+0.573		1.087		+0.428		1.615		−1.268	

Mittlere Zeit Greenw.	863) ι Cephei				864) λ Aquarii				865) ρ Indi				866) δ Aquarii			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	22h 46m		+65° 46′		22h 48m		−7° 59′		22h 49m		−70° 29′		22h 50m		−16° 14′	
	s		″		s		″		s		″		s		″	
Jan. 1.2	51.82	38	86.92	174	29.564	82	58.92	50	8.46	40	57.41	195	27.400	86	28.84	19
11.1	51.44	33	85.18	222	29.482	62	59.42	39	8.06	33	55.46	240	27.314	66	29.03	2
21.1	51.11	26	82.96	261	29.420	39	59.81	27	7.73	23	53.06	279	27.248	42	29.05	16
31.1	50.85	19	80.35	289	29.381	15	60.08	12	7.50	15	50.27	309	27.206	17	28.89	36
Feb. 10.1	50.66	11	77.46	308	29.366	13	60.20	6	7.35	5	47.18	331	27.189	12	28.53	56
20.0	50.55	1	74.38	313	29.379	43	60.14	26	7.30	4	43.87	346	27.201	43	27.97	76
März 2.0	50.54	9	71.25	304	29.422	76	59.88	46	7.34	14	40.41	352	27.244	75	27.21	98
12.0	50.63	19	68.21	286	29.498	109	59.42	70	7.48	24	36.89	352	27.319	110	26.23	118
22.0	50.82	27	65.35	254	29.607	144	58.72	93	7.72	34	33.37	342	27.429	145	25.05	138
31.9	51.09	37	62.81	213	29.751	179	57.79	117	8.06	42	29.95	327	27.574	181	23.67	157
Apr. 10.9	51.46	44	60.68	165	29.930	212	56.62	137	8.48	50	26.68	304	27.755	214	22.10	172
20.9	51.90	51	59.03	111	30.142	242	55.25	157	8.98	57	23.64	274	27.969	246	20.38	184
30.8	52.41	55	57.92	53	30.384	268	53.68	172	9.55	64	20.90	240	28.215	272	18.54	192
Mai 10.8	52.96	58	57.39	6	30.652	288	51.96	184	10.19	68	18.50	198	28.487	294	16.62	197
20.8	53.54	60	57.45	65	30.940	302	50.12	190	10.87	72	16.52	154	28.781	307	14.65	194
30.8	54.14	60	58.10	121	31.242	308	48.22	192	11.59	74	14.98	105	29.088	315	12.71	189
Juni 9.7	54.74	58	59.31	174	31.550	306	46.30	188	12.33	73	13.93	54	29.403	314	10.82	176
19.7	55.32	54	61.05	221	31.856	295	44.42	180	13.06	71	13.39	2	29.717	304	9.06	161
29.7	55.86	49	63.26	263	32.151	278	42.62	166	13.77	67	13.37	51	30.021	287	7.45	140
Juli 9.7	56.35	43	65.89	298	32.429	253	40.96	149	14.44	62	13.88	101	30.308	261	6.05	116
19.6	56.78	36	68.87	326	32.682	221	39.47	128	15.06	54	14.89	149	30.569	229	4.89	90
29.6	57.14	28	72.13	346	32.903	184	38.19	105	15.60	44	16.38	191	30.798	192	3.99	62
Aug. 8.6	57.42	20	75.59	359	33.087	144	37.14	80	16.04	34	18.29	227	30.990	151	3.37	34
18.5	57.62	11	79.18	365	33.231	101	36.34	54	16.38	22	20.56	256	31.141	107	3.03	6
28.5	57.73	3	82.83	361	33.332	59	35.80	31	16.60	10	23.12	275	31.248	62	2.97	19
Sept. 7.5	57.76	6	86.44	351	33.391	17	35.49	7	16.70	3	25.87	284	31.310	19	3.16	42
17.5	57.70	13	89.95	333	33.408	21	35.42	14	16.67	14	28.71	283	31.329	20	3.58	61
27.4	57.57	21	93.28	309	33.387	55	35.56	33	16.53	26	31.54	270	31.309	56	4.19	77
Okt. 7.4	57.36	28	96.37	277	33.332	83	35.89	47	16.27	35	34.24	246	31.253	86	4.96	86
17.4	57.08	33	99.14	239	33.249	105	36.36	58	15.92	44	36.70	213	31.167	110	5.82	92
27.4	56.75	38	101.53	194	33.144	120	36.94	67	15.48	50	38.83	170	31.057	125	6.74	93
Nov. 6.3	56.37	42	103.47	144	33.024	128	37.61	71	14.98	55	40.53	121	30.932	135	7.67	89
16.3	55.95	44	104.91	90	32.896	132	38.32	73	14.43	56	41.74	65	30.797	138	8.56	83
26.3	55.51	45	105.81	33	32.764	128	39.05	72	13.87	56	42.39	8	30.659	135	9.39	73
Dez. 6.2	55.06	46	106.14	27	32.636	121	39.77	69	13.31	54	42.47	51	30.524	127	10.12	61
16.2	54.60	44	105.87	86	32.515	108	40.46	64	12.77	50	41.96	109	30.397	114	10.73	46
26.2	54.16	41	105.01	143	32.407	94	41.10	57	12.27	44	40.87	162	30.283	99	11.19	32
36.2	53.75		103.58		32.313		41.67		11.83		39.25		30.184		11.51	
Mittl. Ort	51.79		64.69		29.645		61.29		10.98		46.21		27.559		28.64	
sec δ, tg δ	2.438		+2.223		1.010		−0.141		2.995		−2.823		1.042		−0.291	

Mittlere Zeit Greenw.	867) α Pisc. austr. AR.		867) Dekl.		869) ο Andromedae AR.		869) Dekl.		870) β Pegasi AR.		870) Dekl.		871) α Pegasi AR.		871) Dekl.	
1921	$22^h 53^m$		−30° 2′		$22^h 58^m$		+41° 53′		$22^h 59^m$		+27° 39′		$23^h 0^m$		+14° 46′	
Jan. 1.2	16.949	104	32.64	34	17.213	166	80.95	162	56.740	121	27.50	143	49.607	99	56.83	118
11.1	16.845	80	32.30	62	17.047	142	79.33	195	56.619	101	26.07	165	49.508	81	55.65	127
21.1	16.765	53	31.68	89	16.905	112	77.38	222	56.518	77	24.42	180	49.427	61	54.38	133
31.1	16.712	24	30.79	114	16.793	77	75.16	239	56.441	49	22.62	189	49.366	36	53.05	131
Feb. 10.1	16.688	8	29.65	138	16.716	35	72.77	246	56.392	17	20.73	187	49.330	8	51.74	124
20.0	16.696	41	28.27	159	16.681	10	70.31	243	56.375	20	18.86	179	49.322	25	50.50	111
März 2.0	16.737	78	26.68	179	16.691	60	67.88	230	56.395	59	17.07	163	49.347	59	49.39	91
12.0	16.815	115	24.89	195	16.751	112	65.58	207	56.454	101	15.44	137	49.406	97	48.48	66
22.0	16.930	154	22.94	209	16.863	162	63.51	174	56.555	143	14.07	105	49.503	134	47.82	36
31.9	17.084	192	20.85	219	17.025	213	61.77	135	56.698	185	13.02	69	49.637	172	47.46	4
Apr. 10.9	17.276	228	18.66	224	17.238	258	60.42	91	56.883	224	12.33	28	49.809	208	47.42	32
20.9	17.504	262	16.42	225	17.496	298	59.51	41	57.107	259	12.05	15	50.017	241	47.74	67
30.8	17.766	292	14.17	221	17.794	331	59.10	9	57.366	289	12.20	57	50.258	269	48.41	102
Mai 10.8	18.058	315	11.96	211	18.125	356	59.19	59	57.655	311	12.77	100	50.527	290	49.43	133
20.8	18.373	332	9.85	197	18.481	370	59.78	108	57.966	325	13.77	138	50.817	305	50.76	162
30.8	18.705	340	7.88	178	18.851	375	60.86	154	58.291	331	15.15	173	51.122	312	52.38	186
Juni 9.7	19.045	340	6.10	153	19.226	369	62.40	194	58.622	328	16.88	204	51.434	310	54.24	205
19.7	19.385	331	4.57	125	19.595	354	64.34	230	58.950	316	18.92	228	51.744	300	56.29	217
29.7	19.716	313	3.32	94	19.949	328	66.64	259	59.266	296	21.20	246	52.044	282	58.46	225
Juli 9.7	20.029	288	2.38	59	20.277	296	69.23	282	59.562	269	23.66	259	52.326	258	60.71	227
19.6	20.317	253	1.79	25	20.573	256	72.05	297	59.831	234	26.25	264	52.584	226	62.98	223
29.6	20.570	212	1.54	9	20.829	210	75.02	307	60.065	196	28.89	265	52.810	189	65.21	214
Aug. 8.6	20.782	168	1.63	43	21.039	162	78.09	309	60.261	152	31.54	258	52.999	150	67.35	201
18.5	20.950	120	2.06	72	21.201	110	81.18	305	60.413	109	34.12	248	53.149	109	69.36	184
28.5	21.070	70	2.78	100	21.311	60	84.23	295	60.522	64	36.60	232	53.258	66	71.20	164
Sept. 7.5	21.140	22	3.78	120	21.371	11	87.18	278	60.586	21	38.92	213	53.324	26	72.84	142
17.5	21.162	23	4.98	136	21.382	36	89.96	257	60.607	19	41.05	189	53.350	12	74.26	118
27.4	21.139	64	6.34	145	21.346	77	92.53	230	60.588	55	42.94	163	53.338	46	75.44	94
Okt. 7.4	21.075	98	7.79	147	21.269	114	94.83	199	60.533	86	44.57	134	53.292	74	76.38	69
17.4	20.977	126	9.26	143	21.155	145	96.82	164	60.447	111	45.91	103	53.218	97	77.07	43
27.4	20.851	146	10.69	131	21.010	169	98.46	125	60.336	131	46.94	70	53.121	115	77.50	18
Nov. 6.3	20.705	157	12.00	115	20.841	186	99.71	84	60.205	143	47.64	37	53.006	126	77.68	6
16.3	20.548	162	13.15	94	20.655	197	100.55	38	60.062	152	48.01	1	52.880	132	77.62	31
26.3	20.386	158	14.09	70	20.458	203	100.93	7	59.910	154	48.02	33	52.748	133	77.31	53
Dez. 6.2	20.228	150	14.79	43	20.255	202	100.86	53	59.756	151	47.69	67	52.615	129	76.78	75
16.2	20.078	136	15.22	14	20.053	194	100.33	97	59.605	144	47.02	100	52.486	122	76.03	95
26.2	19.942	117	15.36	15	19.859	180	99.36	141	59.461	132	46.02	129	52.364	109	75.08	110
36.2	19.825		15.21		19.679		97.95		59.329		44.73		52.255		73.98	
Mittl. Ort	17.292		28.43		16.960		63.66		56.522		14.21		49.451		47.54	
sec δ, tg δ	1.155		−0.578		1.344		+0.897		1.129		+0.524		1.034		+0.264	

Mittlere Zeit Greenw.	872) ϑ Gruis				873) c^2 Aquarii				874) π Cephei				875) Br. 3077			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	$23^h\ 2^m$		$-43°\ 56'$		$23^h\ 5^m$		$-21°\ 35'$		$23^h\ 5^m$		$+74°\ 57'$		$23^h\ 9^m$		$+56°\ 43'$	
Jan. 1.2	25.408	150	59.14	84	14.036	100	67.80	3	23.11	69	60.54	140	28.740	266	75.61	152
11.2	25.258	121	58.30	122	13.936	80	67.83	19	22.42	61	59.14	193	28.474	236	74.09	197
21.1	25.137	89	57.08	156	13.856	58	67.64	43	21.81	53	57.21	241	28.238	195	72.12	235
31.1	25.048	52	55.52	187	13.798	33	67.21	65	21.28	40	54.80	278	28.043	146	69.77	263
Feb. 10.1	24.996	14	53.65	213	13.765	4	66.56	88	20.88	26	52.02	304	27.897	87	67.14	281
20.0	24.982	27	51.52	236	13.761	26	65.68	110	20.62	12	48.98	318	27.810	22	64.33	287
März 2.0	25.009	71	49.16	253	13.787	61	64.58	131	20.50	4	45.80	320	27.788	47	61.46	282
12.0	25.080	115	46.63	266	13.848	96	63.27	151	20.54	19	42.60	307	27.835	120	58.64	265
22.0	25.195	161	43.97	274	13.944	133	61.76	170	20.73	36	39.53	283	27.955	192	55.99	236
31.9	25.356	207	41.23	275	14.077	170	60.06	185	21.09	49	36.70	249	28.147	260	53.63	200
Apr. 10.9	25.563	250	38.48	272	14.247	206	58.21	198	21.58	62	34.21	205	28.407	324	51.63	155
20.9	25.813	290	35.76	262	14.453	240	56.23	206	22.20	72	32.16	154	28.731	379	50.08	104
30.9	26.103	325	33.14	247	14.693	270	54.17	211	22.92	81	30.62	99	29.110	423	49.04	50
Mai 10.8	26.428	355	30.67	226	14.963	294	52.06	209	23.73	86	29.63	40	29.533	457	48.54	5
20.8	26.783	375	28.41	199	15.257	311	49.97	204	24.59	89	29.23	19	29.990	476	48.59	61
30.8	27.158	388	26.42	169	15.568	321	47.93	192	25.48	90	29.42	78	30.466	482	49.20	114
Juni 9.7	27.546	390	24.73	132	15.889	323	46.01	175	26.38	88	30.20	134	30.948	476	50.34	165
19.7	27.936	383	23.41	94	16.212	316	44.26	155	27.26	83	31.54	186	31.424	457	51.99	209
29.7	28.319	364	22.47	52	16.528	300	42.71	130	28.09	76	33.40	232	31.881	426	54.08	249
Juli 9.7	28.683	336	21.95	11	16.828	277	41.41	101	28.85	68	35.72	274	32.307	384	56.57	284
19.6	29.019	299	21.84	32	17.105	246	40.40	71	29.53	58	38.46	309	32.691	335	59.41	309
29.6	29.318	253	22.16	73	17.351	210	39.69	40	30.11	46	41.55	336	33.026	278	62.50	328
Aug. 8.6	29.571	202	22.89	111	17.561	169	39.29	9	30.57	35	44.91	356	33.304	216	65.78	341
18.6	29.773	146	24.00	143	17.730	125	39.20	22	30.92	21	48.47	368	33.520	152	69.19	346
28.5	29.919	88	25.43	171	17.855	79	39.42	50	31.13	9	52.15	373	33.672	86	72.65	343
Sept. 7.5	30.007	30	27.14	191	17.934	35	39.92	73	31.22	4	55.88	370	33.758	23	76.08	334
17.5	30.037	26	29.05	203	17.969	8	40.65	92	31.18	17	59.58	359	33.781	38	79.42	318
27.4	30.011	77	31.08	206	17.961	45	41.57	107	31.01	29	63.17	341	33.743	95	82.60	294
Okt. 7.4	29.934	121	33.14	201	17.916	78	42.64	115	30.72	40	66.58	314	33.648	146	85.54	266
17.4	29.813	157	35.15	188	17.838	104	43.79	117	30.32	49	69.72	280	33.502	192	88.20	230
27.4	29.656	185	37.03	166	17.734	123	44.96	115	29.83	59	72.52	240	33.310	229	90.50	190
Nov. 6.3	29.471	203	38.69	138	17.611	135	46.11	107	29.24	66	74.92	192	33.081	260	92.40	144
16.3	29.268	211	40.07	103	17.476	142	47.18	95	28.58	71	76.84	138	32.821	283	93.84	93
26.3	29.057	211	41.10	66	17.334	141	48.13	80	27.87	76	78.22	80	32.538	296	94.77	41
Dez. 6.3	28.846	202	41.76	25	17.193	136	48.93	60	27.11	77	79.02	19	32.242	302	95.18	14
16.2	28.644	187	42.01	17	17.057	125	49.53	41	26.34	76	79.21	43	31.940	298	95.04	70
26.2	28.457	165	41.84	57	16.932	111	49.94	18	25.58	73	78.78	104	31.642	283	94.34	122
36.2	28.292		41.27		16.821		50.12		24.85		77.74		31.359		93.12	
Mittl. Ort	26.016		51.10		14.188		65.39		22.83		36.98		28.336		54.92	
sec δ, tg δ	1.389		—0.964		1.076		—0.396		3.854		+3.722		1.823		+1.524	

Mittlere Zeit Greenw.	877) γ Tucanae				879) γ Sculptoris				880) τ Pegasi			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1921	$23^h\ 12^m$		$-58°\ 39'$		$23^h\ 14^m$		$-32°\ 57'$		$23^h\ 16^m$		$+23°\ 18'$	
	s		″		s		″		s		″	
Jan. 1.2	48.470	255	80.04	130	33.407	125	51.57	34	43.774	119	39.13	127
11.2	48.215	214	78.74	176	33.282	104	51.23	65	43.655	103	37.86	145
21.1	48.001	168	76.98	216	33.178	80	50.58	97	43.552	84	36.41	157
31.1	47.833	116	74.82	252	33.098	51	49.61	125	43.468	59	34.84	164
Feb. 10.1	47.717	61	72.30	280	33.047	20	48.36	152	43.409	30	33.20	163
20.1	47.656	3	69.50	302	33.027	14	46.84	176	43.379	4	31.57	154
März 2.0	47.653	58	66.48	318	33.041	51	45.08	197	43.383	41	30.03	139
12.0	47.711	121	63.30	326	33.092	90	43.11	214	43.424	81	28.64	115
22.0	47.832	183	60.04	328	33.182	131	40.97	229	43.505	123	27.49	86
31.9	48.015	245	56.76	323	33.313	171	38.68	239	43.628	164	26.63	53
Apr. 10.9	48.260	304	53.53	310	33.484	211	36.29	244	43.792	204	26.10	15
20.9	48.564	358	50.43	292	33.695	249	33.85	244	43.996	240	25.95	25
30.9	48.922	407	47.51	267	33.944	283	31.41	239	44.236	271	26.20	64
Mai 10.8	49.329	447	44.84	235	34.227	310	29.02	228	44.507	297	26.84	101
20.8	49.776	477	42.49	197	34.537	330	26.74	212	44.804	313	27.85	138
30.8	50.253	497	40.52	159	34.867	344	24.62	190	45.117	323	29.23	169
Juni 9.8	50.750	503	38.93	112	35.211	348	22.72	164	45.440	323	30.92	196
19.7	51.253	497	37.81	64	35.559	343	21.08	134	45.763	315	32.88	217
29.7	51.750	476	37.17	15	35.902	328	19.74	99	46.078	298	35.05	234
Juli 9.7	52.226	443	37.02	35	36.230	306	18.75	62	46.376	275	37.39	243
19.6	52.669	398	37.37	84	36.536	274	18.13	25	46.651	243	39.82	247
29.6	53.067	340	38.21	129	36.810	235	17.88	13	46.894	207	42.29	245
Aug. 8.6	53.407	274	39.50	170	37.045	192	18.01	49	47.101	168	44.74	238
18.6	53.681	200	41.20	205	37.237	144	18.50	83	47.269	126	47.12	226
28.5	53.881	123	43.25	232	37.381	95	19.33	113	47.395	82	49.38	210
Sept. 7.5	54.004	43	45.57	251	37.476	45	20.46	136	47.477	42	51.48	190
17.5	54.047	35	48.08	260	37.521	2	21.82	154	47.519	2	53.38	168
27.5	54.012	108	50.68	258	37.519	46	23.36	164	47.521	34	55.06	144
Okt. 7.4	53.904	174	53.26	247	37.473	83	25.00	168	47.487	65	56.50	117
17.4	53.730	230	55.73	225	37.390	116	26.68	164	47.422	91	57.67	88
27.4	53.500	274	57.98	193	37.274	139	28.32	152	47.331	111	58.55	59
Nov. 6.3	53.226	305	59.91	154	37.135	155	29.84	134	47.220	125	59.14	29
16.3	52.921	323	61.45	109	36.980	164	31.18	112	47.095	136	59.43	1
26.3	52.598	328	62.54	59	36.816	167	32.30	84	46.959	141	59.42	32
Dez. 6.3	52.270	322	63.13	7	36.649	161	33.14	53	46.818	142	59.10	60
16.2	51.948	302	63.20	47	36.488	152	33.67	21	46.676	137	58.50	89
26.2	51.646	275	62.73	98	36.336	137	33.88	11	46.539	129	57.61	114
36.2	51.371		61.75		36.199		33.77		46.410		56.47	
Mittl. Ort	49.614		68.69		33.691		45.54		43.465		27.44	
sec δ, tg δ	1.923		—1.643		1.192		—0.648		1.089		+0.431	

Mittlere Zeit Greenw.	882) 4 Cassiopeiae AR.		Dekl.		884) ϰ Piscium AR.		Dekl.		885) 70 Pegasi AR.		Dekl.	
	$23^h\ 21^m$		$+61^\circ\ 50'$		$23^h\ 22^m$		$+0^\circ\ 49'$		$23^h\ 25^m$		$+12^\circ\ 19'$	
1921	s		"		s		"		s		"	
Jan. 1.2	19.86	35	77.61	135	53.133	99	26.57	77	9.753	107	36.01	103
11.2	19.51	31	76.26	185	53.034	86	25.80	74	9.646	94	34.98	110
21.1	19.20	27	74.41	227	52.948	68	25.06	67	9.552	76	33.88	115
31.1	18.93	21	72.14	262	52.880	47	24.39	58	9.476	55	32.73	113
Feb. 10.1	18.72	14	69.52	284	52.833	22	23.81	44	9.421	30	31.60	106
20.1	18.58	6	66.68	296	52.811	6	23.37	27	9.391	1	30.54	93
März 2.0	18.52	1	63.72	295	52.817	39	23.10	6	9.392	34	29.61	75
12.0	18.53	10	60.77	283	52.856	73	23.04	18	9.426	72	28.86	52
22.0	18.63	18	57.94	258	52.929	111	23.22	43	9.498	109	28.34	25
31.9	18.81	27	55.36	225	53.040	147	23.65	70	9.607	149	28.09	6
Apr. 10.9	19.08	34	53.11	182	53.187	184	24.35	97	9.756	187	28.15	38
20.9	19.42	41	51.29	133	53.371	219	25.32	122	9.943	223	28.53	71
30.9	19.83	46	49.96	80	53.590	249	26.54	146	10.166	253	29.24	103
Mai 10.8	20.29	51	49.16	24	53.839	273	28.00	166	10.419	279	30.27	132
20.8	20.80	52	48.92	32	54.112	292	29.66	182	10.698	297	31.59	159
30.8	21.32	54	49.24	88	54.404	304	31.48	192	10.995	308	33.18	181
Juni 9.8	21.86	54	50.12	141	54.708	306	33.40	199	11.303	311	34.99	197
19.7	22.40	51	51.53	189	55.014	301	35.39	200	11.614	306	36.96	210
29.7	22.91	49	53.42	233	55.315	288	37.39	194	11.920	291	39.06	216
Juli 9.7	23.40	44	55.75	270	55.603	268	39.33	185	12.211	271	41.22	216
19.6	23.84	38	58.45	302	55.871	241	41.18	171	12.482	243	43.38	212
29.6	24.22	33	61.47	325	56.112	207	42.89	153	12.725	209	45.50	202
Aug. 8.6	24.55	25	64.72	341	56.319	171	44.42	132	12.934	172	47.52	188
18.6	24.80	18	68.13	352	56.490	131	45.74	109	13.106	132	49.40	172
28.5	24.98	11	71.65	353	56.621	90	46.83	85	13.238	92	51.12	152
Sept. 7.5	25.09	4	75.18	347	56.711	51	47.68	61	13.330	52	52.64	129
17.5	25.13	3	78.65	336	56.762	13	48.29	37	13.382	14	53.93	106
27.5	25.10	10	82.01	316	56.775	21	48.66	15	13.396	21	54.99	83
Okt. 7.4	25.00	17	85.17	289	56.754	52	48.81	4	13.375	50	55.82	59
17.4	24.83	21	88.06	256	56.702	76	48.77	23	13.325	76	56.41	36
27.4	24.62	27	90.62	217	56.626	95	48.54	37	13.249	95	56.77	13
Nov. 6.3	24.35	30	92.79	171	56.531	109	48.17	51	13.154	111	56.90	9
16.3	24.05	34	94.50	121	56.422	117	47.66	61	13.043	119	56.81	30
26.3	23.71	36	95.71	68	56.305	121	47.05	69	12.924	125	56.51	49
Dez. 6.3	23.35	37	96.39	11	56.184	121	46.36	74	12.799	126	56.02	68
16.2	22.98	37	96.50	47	56.063	115	45.62	78	12.673	122	55.34	83
26.2	22.61	36	96.03	103	55.948	108	44.84	80	12.551	115	54.51	98
36.2	22.25		95.00		55.840		44.04		12.436		53.53	
Mittl. Ort	19.27		55.99		52.952		22.49		9.467		28.11	
sec δ, tg δ	2.120		+1.869		1.000		+0.014		1.024		+0.218	

Mittlere Zeit Greenw.	891) ι Andromedae AR.		Dekl.		892) ι Piscium AR.		Dekl.		893) γ Cephei AR.		Dekl.	
	$23^h\ 34^m$		+42° 49′		$23^h\ 35^m$		+5° 11′		$23^h\ 36^m$		+77° 11′	
1921	s		″		s		″		s		″	
Jan. 1.2	15.984	186	67.01	128	53.453	106	57.58	87	6.79	87	52.75	94
11.2	15.798	171	65.73	166	53.347	94	56.71	88	5.92	80	51.81	153
21.2	15.627	147	64.07	196	53.253	79	55.83	85	5.12	71	50.28	205
31.1	15.480	117	62.11	219	53.174	59	54.98	78	4.41	58	48.23	250
Feb. 10.1	15.363	81	59.92	233	53.115	35	54.20	67	3.83	44	45.73	285
20.1	15.282	36	57.59	237	53.080	7	53.53	53	3.39	28	42.88	307
März 2.0	15.246	13	55.22	231	53.073	26	53.00	33	3.11	9	39.81	317
12.0	15.259	65	52.91	215	53.099	60	52.67	10	3.02	9	36.64	314
22.0	15.324	120	50.76	189	53.159	99	52.57	16	3.11	28	33.50	300
Apr. 1.0	15.444	174	48.87	157	53.258	136	52.73	43	3.39	45	30.50	272
10.9	15.618	225	47.30	116	53.394	175	53.16	72	3.84	62	27.78	236
20.9	15.843	272	46.14	72	53.569	211	53.88	100	4.46	76	25.42	191
30.9	16.115	312	45.42	25	53.780	243	54.88	127	5.22	87	23.51	139
Mai 10.9	16.427	345	45.17	25	54.023	270	56.15	151	6.09	95	22.12	84
20.8	16.772	368	45.42	72	54.293	289	57.66	170	7.04	102	21.28	26
30.8	17.140	380	46.14	119	54.582	303	59.36	187	8.06	104	21.02	32
Juni 9.8	17.520	382	47.33	161	54.885	309	61.23	197	9.10	104	21.34	89
19.7	17.902	374	48.94	199	55.194	304	63.20	201	10.14	101	22.23	144
29.7	18.276	357	50.93	231	55.498	293	65.21	202	11.15	95	23.67	195
Juli 9.7	18.633	329	53.24	259	55.791	275	67.23	196	12.10	87	25.62	240
19.7	18.962	295	55.83	279	56.066	249	69.19	186	12.97	77	28.02	279
29.6	19.257	254	58.62	292	56.315	217	71.05	171	13.74	65	30.81	313
Aug. 8.6	19.511	210	61.54	301	56.532	182	72.76	154	14.39	52	33.94	340
18.6	19.721	160	64.55	300	56.714	143	74.30	132	14.91	39	37.34	358
28.5	19.881	111	67.55	296	56.857	103	75.62	110	15.30	24	40.92	370
Sept. 7.5	19.992	62	70.51	284	56.960	64	76.72	87	15.54	9	44.62	375
17.5	20.054	15	73.35	268	57.024	26	77.59	63	15.63	5	48.37	370
27.5	20.069	29	76.03	247	57.050	8	78.22	40	15.58	20	52.07	359
Okt. 7.4	20.040	69	78.50	220	57.042	39	78.62	19	15.38	34	55.66	339
17.4	19.971	104	80.70	189	57.003	64	78.81	2	15.04	46	59.05	311
27.4	19.867	135	82.59	153	56.939	85	78.79	20	14.58	59	62.16	276
Nov. 6.4	19.732	159	84.12	115	56.854	101	78.59	35	13.99	68	64.92	233
16.3	19.573	177	85.27	73	56.753	111	78.24	50	13.31	78	67.25	184
26.3	19.396	191	86.00	30	56.642	118	77.74	62	12.53	84	69.09	128
Dez. 6.3	19.205	199	86.30	16	56.524	120	77.12	73	11.69	89	70.37	69
16.2	19.006	201	86.14	61	56.404	118	76.39	80	10.80	91	71.06	6
26.2	18.805	195	85.53	105	56.286	112	75.59	86	9.89	89	71.12	57
36.2	18.610		84.48		56.174		74.73		9.00		70.55	
Mittl. Ort	15.404		49.86		53.159		52.42		5.55		29.06	
sec δ, tg δ	1.363		+0.927		1.004		+0.091		4.511		+4.399	

Mittlere Zeit Greenw.	894) ω² Aquarii AR.		894) Dekl.		895) 41 H. Cephei AR.		895) Dekl.		896) Lac. δ Sculptoris AR.		896) Dekl.	
1921	23ʰ 38ᵐ		−14° 58′		23ʰ 44ᵐ		+67° 21′		23ʰ 44ᵐ		−28° 33′	
Jan. 1.2	37.718ˢ	111	56.34″	36	8.39ˢ	46	86.45″	100	48.756ˢ	133	68.43″	0
11.2	37.607	97	56.70	17	7.93	42	85.45	155	48.623	119	68.43	32
21.2	37.510	82	56.87	3	7.51	38	83.90	204	48.504	100	68.11	63
31.1	37.428	62	56.84	24	7.13	32	81.86	244	48.404	78	67.48	92
Feb. 10.1	37.366	37	56.60	46	6.81	24	79.42	276	48.326	51	66.56	120
20.1	37.329	8	56.14	69	6.57	15	76.66	296	48.275	21	65.36	148
März 2.0	37.321	22	55.45	92	6.42	5	73.70	303	48.254	14	63.88	171
12.0	37.343	58	54.53	114	6.37	5	70.67	298	48.268	51	62.17	193
22.0	37.401	95	53.39	137	6.42	17	67.69	281	48.319	92	60.24	212
Apr. 1.0	37.496	134	52.02	157	6.59	26	64.88	254	48.411	133	58.12	226
10.9	37.630	172	50.45	175	6.85	36	62.34	216	48.544	174	55.86	237
20.9	37.802	208	48.70	190	7.21	45	60.18	172	48.718	214	53.49	244
30.9	38.010	242	46.80	202	7.66	52	58.46	122	48.932	250	51.05	244
Mai 10.9	38.252	270	44.78	208	8.18	58	57.24	66	49.182	282	48.61	239
20.8	38.522	291	42.70	209	8.76	62	56.58	11	49.464	307	46.22	228
30.8	38.813	307	40.61	206	9.38	65	56.47	46	49.771	324	43.94	212
Juni 9.8	39.120	314	38.55	197	10.03	64	56.93	102	50.095	334	41.82	191
19.7	39.434	312	36.58	182	10.67	62	57.95	152	50.429	334	39.91	164
29.7	39.746	302	34.76	162	11.29	60	59.47	201	50.763	326	38.27	132
Juli 9.7	40.048	284	33.14	140	11.89	56	61.48	243	51.089	309	36.95	99
19.7	40.332	259	31.74	113	12.45	49	63.91	281	51.398	283	35.96	62
29.6	40.591	228	30.61	83	12.94	43	66.72	310	51.681	250	35.34	24
Aug. 8.6	40.819	192	29.78	54	13.37	35	69.82	332	51.931	212	35.10	14
18.6	41.011	152	29.24	23	13.72	27	73.14	350	52.143	170	35.24	50
28.5	41.163	109	29.01	7	13.99	19	76.64	358	52.313	124	35.74	82
Sept. 7.5	41.272	69	29.08	33	14.18	10	80.22	359	52.437	78	36.56	111
17.5	41.341	28	29.41	57	14.28	1	83.81	353	52.515	33	37.67	134
27.5	41.369	9	29.98	77	14.29	7	87.34	339	52.548	10	39.01	150
Okt. 7.4	41.360	42	30.75	91	14.22	15	90.73	319	52.538	47	40.51	161
17.4	41.318	70	31.66	101	14.07	23	93.92	289	52.491	80	42.12	162
27.4	41.248	93	32.67	106	13.84	29	96.81	255	52.411	106	43.74	158
Nov. 6.4	41.155	109	33.73	105	13.55	34	99.36	212	52.305	127	45.32	146
16.3	41.046	120	34.78	100	13.21	40	101.48	165	52.178	141	46.78	129
26.3	40.926	126	35.78	92	12.81	44	103.13	111	52.037	148	48.07	106
Dez. 6.3	40.800	127	36.70	80	12.37	46	104.24	54	51.889	151	49.13	80
16.2	40.673	125	37.50	65	11.91	47	104.78	6	51.738	148	49.93	51
26.2	40.548	118	38.15	48	11.44	48	104.72	65	51.590	139	50.44	20
36.2	40.430		38.63		10.96		104.07		51.451		50.64	
Mittl. Ort	37.608		54.57		7.34		64.13		48.792		62.19	
sec δ, tg δ	1.035		−0.268		2.599		+2.399		1.139		−0.545	

Mittlere Zeit Greenw.	898) φ Pegasi				902) ω Piscium				903) ε Tucanae			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$23^h\ 48^m$		+18° 40′		$23^h\ 55^m$		+6° 25′		$23^h\ 55^m$		−66° 0′	
1921	s		′		s		″		s		″	
Jan. 1.2	28.468	123	62.55	103	15.620	113	38.27	85	47.97	41	74.90	105
11.2	28.345	113	61.52	117	15.507	105	37.42	86	47.56	37	73.85	159
21.2	28.232	99	60.35	128	15.402	92	36.56	85	47.19	33	72.26	207
31.1	28.133	80	59.07	133	15.310	76	35.71	80	46.86	27	70.19	250
Feb. 10.1	28.053	56	57.74	132	15.234	53	34.91	70	46.59	20	67.69	287
20.1	27.997	25	56.42	123	15.181	26	34.21	57	46.39	13	64.82	316
März 2.1	27.972	8	55.19	110	15.155	5	33.64	38	46.26	6	61.66	337
12.0	27.980	47	54.09	91	15.160	40	33.26	17	46.20	3	58.29	351
22.0	28.027	88	53.18	64	15.200	79	33.09	8	46.23	11	54.78	358
Apr. 1.0	28.115	130	52.54	35	15.279	118	33.17	35	46.34	18	51.20	356
10.9	28.245	172	52.19	1	15.397	158	33.52	64	46.52	27	47.64	347
20.9	28.417	210	52.18	33	15.555	196	34.16	92	46.79	35	44.17	330
30.9	28.627	246	52.51	68	15.751	231	35.08	119	47.14	42	40.87	306
Mai 10.9	28.873	274	53.19	102	15.982	260	36.27	144	47.56	48	37.81	276
20.8	29.147	298	54.21	133	16.242	283	37.71	165	48.04	54	35.05	238
30.8	29.445	312	55.54	161	16.525	299	39.36	182	48.58	57	32.67	196
Juni 9.8	29.757	318	57.15	185	16.824	308	41.18	194	49.15	60	30.71	148
19.8	30.075	316	59.00	202	17.132	307	43.12	201	49.75	60	29.23	97
29.7	30.391	305	61.02	216	17.439	299	45.13	202	50.35	60	28.26	44
Juli 9.7	30.696	288	63.18	223	17.738	282	47.15	199	50.95	58	27.82	12
19.7	30.984	261	65.41	225	18.020	260	49.14	189	51.53	53	27.94	65
29.6	31.245	231	67.66	222	18.280	231	51.03	177	52.06	48	28.59	118
Aug. 8.6	31.476	195	69.88	213	18.511	197	52.80	160	52.54	41	29.77	166
18.6	31.671	156	72.01	201	18.708	160	54.40	140	52.95	33	31.43	208
28.6	31.827	116	74.02	184	18.868	122	55.80	118	53.28	24	33.51	244
Sept. 7.5	31.943	77	75.86	166	18.990	83	56.98	95	53.52	13	35.95	270
17.5	32.020	38	77.52	144	19.073	46	57.93	71	53.65	4	38.65	286
27.5	32.058	2	78.96	121	19.119	11	58.64	48	53.69	5	41.51	292
Okt. 7.5	32.060	29	80.17	97	19.130	20	59.12	27	53.64	15	44.43	286
17.4	32.031	58	81.14	73	19.110	48	59.39	6	53.49	24	47.29	269
27.4	31.973	80	81.87	47	19.062	71	59.45	13	53.25	30	49.98	240
Nov. 6.4	31.893	99	82.34	22	18.991	88	59.32	29	52.95	37	52.38	203
16.3	31.794	113	82.56	3	18.903	103	59.03	44	52.58	41	54.41	156
26.3	31.681	123	82.53	28	18.800	111	58.59	57	52.17	43	55.97	105
Dez. 6.3	31.558	129	82.25	51	18.689	118	58.02	67	51.74	45	57.02	47
16.3	31.429	131	81.74	73	18.571	119	57.35	77	51.29	45	57.49	10
26.2	31.298	128	81.01	93	18.452	117	56.58	83	50.84	42	57.39	69
36.2	31.170		80.08		18.335		55.75		50.42		56.70	
Mittl. Ort	27.983		53.17		15.201		33.33		49.22		60.16	
sec δ, tg δ	1.056		+0.338		1.006		+0.113		2.460		−2.248	

Tag	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$0^h 57^m$ s	in s 0.01	+85° 50′ ″	in ″ 0.01	$1^h 32^m$ s	in s 0.01	+88° 53′ ″	in ″ 0.01	$4^h 11^m$ s	in s 0.01	+85° 20′ ″	in ″ 0.01
Jan. 0	50.74	−7	24.79	+4	60.44	−22	17.54	+5	33.39	−2	53.08	+8
1	50.45	−6	24.86	0	59.41	−22	17.67	+1	33.27	−4	53.36	+4
2	50.17	−4	24.93	−3	58.38	−16	17.79	−2	33.16	−4	53.63	+1
3	49.88	−1	24.99	−4	57.33	−5	17.91	−4	33.04	−3	53.90	−3
4	49.60	+2	25.04	−4	56.28	+6	18.02	−5	32.91	−2	54.18	−5
5	49.31	+4	25.09	−4	55.22	+15	18.13	−4	32.78	+1	54.44	−6
6	49.03	+6	25.13	−2	54.16	+22	18.23	−3	32.64	+3	54.71	−6
7	48.74	+7	25.17	0	53.09	+25	18.32	−1	32.50	+4	54.97	−5
8	48.45	+7	25.20	+2	52.02	+24	18.40	+1	32.36	+6	55.23	−3
9	48.16	+5	25.22	+4	50.94	+19	18.48	+3	32.21	+6	55.48	−1
10	47.87	+3	25.24	+5	49.86	+12	18.55	+5	32.06	+5	55.73	+2
11	47.58	0	25.25	+5	48.77	+2	18.61	+5	31.90	+3	55.97	+4
12	47.29	−2	25.25	+4	47.68	−9	18.67	+5	31.74	+1	56.21	+5
13	47.00	−5	25.25	+2	46.59	−19	18.72	+3	31.57	−2	56.45	+6
14	46.71	−7	25.24	−1	45.49	−26	18.77	0	31.40	−5	56.68	+5
15	46.42	−8	25.22	−4	44.39	−30	18.81	−3	31.23	−8	56.90	+3
16	46.13	−8	25.20	−7	43.28	−28	18.84	−6	31.05	−9	57.13	0
17	45.84	−5	25.17	−10	42.17	−21	18.87	−9	30.87	−10	57.34	−4
18	45.56	−2	25.13	−10	41.07	−9	18.89	−10	30.69	−8	57.56	−7
19	45.27	+2	25.09	−9	39.96	+5	18.90	−10	30.50	−5	57.77	−9
20	44.98	+5	25.04	−6	38.85	+17	18.91	−7	30.31	−1	57.97	−9
21	44.70	+7	24.98	−3	37.74	+24	18.91	−3	30.12	+3	58.17	−7
22	44.41	+7	24.92	+3	36.64	+26	18.90	+1	29.92	+6	58.36	−3
23	44.13	+6	24.85	+6	35.54	+21	18.89	+5	29.72	+8	58.54	+1
24	43.85	+3	24.77	+9	34.44	+10	18.87	+8	29.51	+7	58.72	+5
25	43.57	−1	24.69	+9	33.34	−2	18.84	+9	29.30	+5	58.90	+8
26	43.29	−4	24.60	+8	32.24	−14	18.81	+8	29.09	+2	59.07	+9
27	43.01	−6	24.51	+5	31.15	−22	18.77	+6	28.88	−1	59.23	+8
28	42.74	−6	24.41	+2	30.06	−23	18.72	+2	28.66	−3	59.39	+6
29	42.46	−5	24.30	−1	28.97	−19	18.67	−1	28.44	−4	59.55	+2
30	42.18	−2	24.19	−4	27.89	−9	18.61	−3	28.21	−4	59.70	−1
31	41.91	+1	24.07	−4	26.81	+2	18.54	−4	27.98	−2	59.84	−4
Febr. 1	41.64	+3	23.95	−4	25.73	+12	18.47	−4	27.75	0	59.98	−6
2	41.37	+6	23.82	−2	24.66	+20	18.39	−3	27.52	+2	60.12	−6
3	41.11	+7	23.68	0	23.60	+25	18.30	−1	27.28	+4	60.24	−5
4	40.85	+7	23.54	+2	22.54	+25	18.21	+1	27.05	+6	60.36	−4
5	40.59	+6	23.39	+4	21.49	+22	18.11	+3	26.81	+6	60.48	−1
6	40.33	+4	23.24	+5	20.44	+15	18.01	+4	26.57	+6	60.59	+1
sec δ, tg δ	85° 50′ 20″	13.781	+13.745	88° 53′ 10″	51.441	+51.431			85° 20′ 50″	12.328	+12.287	
	30	13.791	+13.754	20	51.569	+51.560			60	12.335	+12.295	

Tag	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$7^h\ 4^m$	in ^{s} 0.01	+87° 10′	in ″ 0.01	$9^h 26^m$	in ^{s} 0.01	+81° 40′	in ″ 0.01	$16^h 53^m$	in ^{s} 0.01	+82° 9′	in ″ 0.01
Jan. 0	31.03	+ 4	20.97	+ 7	2.53	+ 3	16.71	+ 4	49.20	+ 1	68.01	− 7
1	31.16	− 1	21.27	+ 6	2.66	+ 1	16.89	+ 5	49.26	+ 2	67.68	− 4
2	31.29	− 5	21.59	+ 3	2.79	− 1	17.08	+ 4	49.32	+ 1	67.35	0
3	31.41	− 7	21.90	0	2.92	− 2	17.28	+ 2	49.38	+ 1	67.02	+ 3
4	31.52	− 7	22.21	− 3	3.04	− 3	17.48	0	49.45	0	66.70	+ 6
5	31.62	− 5	22.53	− 5	3.16	− 3	17.68	− 3	49.52	− 1	66.38	+ 7
6	31.71	− 2	22.84	− 7	3.28	− 2	17.89	− 5	49.59	− 1	66.06	+ 6
7	31.79	+ 1	23.16	− 7	3.39	− 1	18.10	− 6	49.66	− 2	65.74	+ 5
8	31.86	+ 4	23.47	− 6	3.50	0	18.31	− 6	49.74	− 2	65.43	+ 3
9	31.93	+ 6	23.79	− 5	3.61	+ 1	18.53	− 6	49.82	− 2	65.12	+ 1
10	31.98	+ 7	24.11	− 2	3.72	+ 2	18.75	− 4	49.90	− 1	64.81	− 2
11	32.03	+ 7	24.43	+ 1	3.83	+ 3	18.98	− 2	49.99	− 1	64.50	− 4
12	32.06	+ 6	24.74	+ 4	3.93	+ 3	19.21	+ 1	50.07	0	64.20	− 6
13	32.09	+ 2	25.06	+ 6	4.03	+ 2	19.45	+ 4	50.17	+ 1	63.91	− 6
14	32.11	− 2	25.38	+ 8	4.13	+ 1	19.68	+ 7	50.26	+ 2	63.61	− 5
15	32.12	− 7	25.70	+ 8	4.22	− 1	19.93	+ 9	50.36	+ 3	63.33	− 3
16	32.12	−12	26.01	+ 7	4.32	− 3	20.17	+10	50.46	+ 3	63.04	0
17	32.11	−15	26.33	+ 4	4.41	− 4	20.42	+ 8	50.56	+ 3	62.76	+ 4
18	32.09	−15	26.65	0	4.49	− 5	20.67	+ 6	50.66	+ 2	62.49	+ 7
19	32.07	−13	26.97	− 4	4.58	− 5	20.93	+ 2	50.77	+ 1	62.22	+ 8
20	32.03	− 8	27.29	− 6	4.66	− 4	21.19	− 2	50.88	− 1	61.95	+ 8
21	31.99	− 2	27.60	− 7	4.74	− 2	21.45	− 6	50.99	− 2	61.69	+ 6
22	31.94	+ 5	27.92	− 7	4.82	0	21.72	− 7	51.11	− 3	61.43	+ 3
23	31.88	+10	28.23	− 4	4.89	+ 3	21.99	− 7	51.23	− 3	61.17	− 2
24	31.81	+13	28.54	− 1	4.96	+ 5	22.27	− 6	51.35	− 2	60.92	− 6
25	31.73	+13	28.85	+ 3	5.03	+ 5	22.54	− 3	51.47	− 1	60.68	− 8
26	31.64	+11	29.16	+ 6	5.09	+ 5	22.82	+ 1	51.59	0	60.44	− 9
27	31.54	+ 6	29.46	+ 7	5.16	+ 4	23.10	+ 3	51.71	+ 1	60.21	− 8
28	31.44	+ 1	29.77	+ 7	5.22	+ 2	23.38	+ 5	51.84	+ 1	59.98	− 5
29	31.32	− 3	30.08	+ 5	5.28	0	23.67	+ 5	51.97	+ 1	59.76	− 2
30	31.19	− 6	30.38	+ 1	5.33	− 2	23.96	+ 3	52.10	+ 1	59.54	+ 2
31	31.06	− 6	30.68	− 2	5.38	− 3	24.25	+ 1	52.23	0	59.33	+ 5
Febr. 1	30.92	− 5	30.98	− 5	5.42	− 3	24.54	− 2	52.36	0	59.13	+ 6
2	30.77	− 3	31.28	− 7	5.47	− 2	24.83	− 4	52.50	− 1	58.93	+ 7
3	30.61	+ 1	31.57	− 7	5.51	− 2	25.13	− 6	52.64	− 2	58.73	+ 6
4	30.44	+ 4	31.86	− 7	5.54	0	25.43	− 7	52.78	− 2	58.54	+ 4
5	30.27	+ 6	32.15	− 5	5.58	+ 1	25.73	− 7	52.92	− 2	58.36	+ 1
6	30.09	+ 8	32.44	− 3	5.61	+ 2	26.03	− 5	53.06	− 2	58.18	− 1
sec δ, tg δ	87° 10′ 20″	20.270	+20.245		81° 40′ 10″	6.902	+6.829		82° 9′ 60″	7.337	+7.269	
	30	20.290	+20.265		20	6.904	+6.832		70	7.340	+7.271	

Tag	δ Ursae minoris 4ᵐ.3				λ Ursae minoris 6ᵐ.8				76 Draconis 6ᵐ.0			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$17^h 57^m$	in 0.01 s	+86° 36′	in 0.01 ″	$18^h 56^m$	in 0.01 s	+89° 1′	in 0.01 ″	$20^h 48^m$	in 0.01 s	+82° 14′	in 0.01 ″
Jan. 0	16.62	0	55.58	−7	24.09	−18	34.12	−7	17.33	−3	43.59	−4
1	16.64	+3	55.24	−4	23.77	−5	33.80	−7	17.23	−2	43.33	−5
2	16.66	+4	54.91	−1	23.47	+7	33.47	−5	17.13	−1	43.07	−5
3	16.69	+4	54.57	+3	23.20	+15	33.15	−2	17.04	+1	42.80	−3
4	16.73	+3	54.23	+5	{22.95 22.73	+17 +15	32.82 32.49	+2 +4	16.94	+2	42.53	−1
5	16.78	+1	53.90	+7	22.54	+9	32.17	+6	16.85	+2	42.26	+2
6	16.84	−1	53.57	+7	22.37	+2	31.84	+7	16.77	+2	41.98	+5
7	16.90	−3	53.24	+6	22.23	−6	31.51	+7	16.68	+2	41.70	+6
8	16.97	−5	52.91	+4	22.11	−13	31.19	+5	16.60	+1	41.41	+7
9	17.05	−5	52.58	+2	22.02	−18	30.86	+3	16.52	0	41.13	+6
10	17.13	−5	52.25	−1	21.96	−19	30.53	0	16.44	0	40.83	+5
11	17.22	−4	51.92	−3	21.92	−17	30.20	−3	16.37	−1	40.54	+2
12	17.32	−2	51.60	−6	21.91	−11	29.87	−5	16.30	−2	40.24	0
13	17.43	+2	51.27	−7	21.92	−1	29.55	−7	16.23	−2	39.94	−3
14	17.54	+5	50.95	−7	21.96	+11	29.22	−8	16.17	−2	39.64	−6
15	17.66	+8	50.64	−5	22.03	+24	28.89	−7	16.11	−1	39.33	−9
16	17.78	+10	50.32	−3	22.12	+33	28.57	−5	16.05	0	39.02	−9
17	17.91	+10	50.01	+1	22.24	+39	28.24	−2	16.00	+1	38.71	−8
18	18.05	+9	49.70	+4	22.38	+37	27.92	+2	15.94	+3	38.40	−6
19	18.20	+6	49.39	+7	22.55	+28	27.59	+5	15.89	+3	38.08	−2
20	18.35	+2	49.09	+8	22.75	+13	27.27	+7	15.84	+3	37.76	+2
21	18.51	−3	48.79	+7	22.97	−4	26.95	+7	15.80	+3	37.44	+5
22	18.68	−6	48.49	+4	23.21	−19	26.63	+6	15.76	+2	37.12	+7
23	18.86	−8	48.19	0	23.48	−30	26.31	+3	15.72	0	36.79	+7
24	19.04	−8	47.90	−3	23.78	−35	25.99	−1	15.69	−2	36.47	+6
25	19.22	−7	47.61	−6	24.10	−31	25.67	−5	15.66	−3	36.15	+3
26	19.41	−4	47.33	−8	24.45	−22	25.36	−7	15.63	−4	35.82	−1
27	19.61	−1	47.04	−8	24.82	−10	25.04	−7	15.61	−3	35.49	−3
28	19.81	+2	46.77	−5	25.22	+2	24.73	−6	15.58	−3	35.16	−5
29	20.02	+4	46.49	−2	25.64	+11	24.43	−3	15.56	−1	34.83	−5
30	20.24	+4	46.22	+1	26.08	+16	24.12	0	15.54	0	34.50	−4
31	20.46	+3	45.95	+4	26.55	+15	23.82	+3	15.53	+1	34.17	−2
Febr. 1	20.69	+1	45.69	+6	27.04	+11	23.52	+6	{15.52 15.52	+2 +2	33.84 33.51	+1 +4
2	20.93	−1	45.43	+7	27.55	+3	23.22	+7	15.51	+2	33.17	+6
3	21.17	−3	45.18	+7	28.09	−5	22.92	+7	15.51	+2	32.84	+7
4	21.41	−5	44.93	+5	28.65	−12	22.63	+6	15.52	+1	32.51	+7
5	21.66	−5	44.68	+3	29.23	−18	22.34	+4	15.52	0	32.18	+6
6	21.92	−6	44.44	0	29.84	−21	22.05	+2	15.53	−1	31.84	+4
sec δ, tg δ	86° 36′ 40″	16.917	+16.887		89° 1′ 20″	58.601	+58.592		82° 14′ 30″	7.408	+7.340	
	50	16.931	+16.901		30	58.768	+58.759		40	7.410	+7.343	

Tag	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$0^h 57^m$	in s 0.01	+85° 50′	in ″ 0.01	$1^h 31^m$	in s 0.01	+88° 53′	in ″ 0.01	$4^h 11^m$	in s 0.01	+85° 21′	in ″ 0.01
Febr. 6	40.33	+ 4	23.24	+ 5	80.44	+15	18.01	+ 4	26.57	+ 6	0.59	+ 1
7	40.08	+ 2	23.08	+ 6	79.40	+ 7	17.90	+ 5	26.33	+ 5	0.69	+ 3
8	39.83	− 1	22.91	+ 5	78.37	− 4	17.78	+ 5	26.09	+ 2	0.79	+ 5
9	39.58	− 4	22.74	+ 4	77.35	−15	17.66	+ 4	25.84	0	0.88	+ 6
10	39.33	− 6	22.56	+ 1	76.33	−23	17.53	+ 2	25.59	− 4	0.96	+ 6
11	39.09	− 8	22.38	− 2	75.33	−28	17.40	− 1	25.34	− 7	1.04	+ 4
12	38.85	− 8	22.19	− 5	74.33	−29	17.26	− 4	25.09	− 9	1.11	+ 2
13	38.62	− 6	22.00	− 8	73.35	−24	17.11	− 8	24.84	−10	1.17	− 2
14	38.39	− 3	21.80	−10	72.37	−14	16.96	−10	24.58	− 9	1.23	− 5
15	38.16	0	21.60	−10	71.40	− 1	16.80	−10	24.33	− 6	1.29	− 8
16	37.93	+ 3	21.39	− 8	70.45	+11	16.64	− 9	24.07	− 3	1.33	− 9
17	37.71	+ 6	21.18	− 5	69.51	+22	16.47	− 5	23.82	+ 1	1.38	− 8
18	37.49	+ 7	20.96	0	68.58	+26	16.29	− 1	23.56	+ 5	1.41	− 5
19	37.28	+ 6	20.74	+ 4	67.66	+22	16.11	+ 3	23.30	+ 7	1.44	− 1
20	37.07	+ 4	20.51	+ 7	66.75	+14	15.93	+ 7	23.04	+ 7	1.46	+ 3
21	36.87	0	20.28	+ 9	65.86	+ 1	15.74	+ 9	22.78	+ 5	1.48	+ 7
22	36.66	− 3	20.05	+ 8	64.98	−11	15.54	+ 8	22.52	+ 3	1.48	+ 9
23	36.47	− 6	19.81	+ 6	64.12	−20	15.34	+ 6	22.26	0	1.48	+ 9
24	36.28	− 7	19.57	+ 2	63.27	−23	15.13	+ 3	22.01	− 3	1.48	+ 7
25	36.09	− 6	19.32	− 1	62.43	−21	14.92	0	21.75	− 4	1.47	+ 3
26	35.90	− 4	19.07	− 3	61.61	−14	14.70	− 3	21.49	− 4	1.46	0
27	35.73	− 1	18.81	− 4	60.80	− 3	14.48	− 4	21.23	− 3	1.44	− 3
28	35.55	+ 2	18.55	− 4	60.01	+ 8	14.25	− 4	20.97	− 1	1.41	− 5
März 1	35.38	+ 5	18.29	− 3	59.23	+19	14.02	− 4	20.71	+ 2	1.38	− 6
2	35.21	+ 7	18.02	− 1	58.47	+24	13.79	− 2	20.45	+ 4	1.34	− 6
3	35.05	+ 7	17.75	+ 1	57.73	+26	13.55	0	20.19	+ 5	1.29	− 4
4	34.90	+ 6	17.48	+ 3	57.00	+24	13.31	+ 2	19.93	+ 6	1.24	− 2
5	34.75	+ 5	17.20	+ 5	56.29	+19	13.06	+ 4	19.68	+ 6	1.18	0
6	34.60	+ 3	16.92	+ 6	55.59	+10	12.81	+ 5	19.42	+ 5	1.12	+ 3
7	34.46	0	16.64	+ 6	54.91	0	12.56	+ 6	19.17	+ 3	1.05	+ 5
8	34.33	− 3	16.35	+ 5	54.25	−10	12.30	+ 5	18.91	+ 1	0.97	+ 6
9	34.20	− 5	16.06	+ 3	53.60	−19	12.04	+ 3	18.66	− 2	0.89	+ 6
10	34.07	− 7	15.77	0	52.98	−26	11.77	+ 1	18.41	− 5	0.80	+ 5
11	33.95	− 8	15.48	− 4	52.37	−29	11.50	− 3	18.16	− 7	0.71	+ 3
12	33.84	− 7	15.18	− 7	51.78	−26	11.23	− 6	17.91	− 8	0.61	0
13	33.73	− 5	14.89	− 9	51.22	−18	10.95	− 8	17.67	− 9	0.51	− 4
14	33.62	− 1	14.58	−10	50.67	− 6	10.67	−10	17.42	− 7	0.39	− 7
15	33.52	+ 2	14.28	− 9	50.14	+ 7	10.39	− 9	17.18	− 4	0.28	− 9
sec δ, tg δ	85° 50′ 10″	13.772	+13.736		88° 53′ 10″	51.441	+51.431		85° 21′ 0″	12.335	+12.295	
	20	13.781	+13.745		20	51.569	+51.560		10	12.343	+12.302	

Tag	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$7^h\ 4^m$	in 0.01 s	+87° 10′	in 0.01″	$9^h\ 26^m$	in 0.01 s	+81° 40′	in 0.01″	$16^h\ 53^m$	in 0.01 s	+82° 9′	in 0.01″
Febr. 6	30.09	+ 8	32.44	− 3	5.61	+ 2	26.03	− 5	53.06	− 2	58.18	− 1
7	29.90	+ 8	32.72	0	5.64	+ 3	26.33	− 3	53.20	− 1	58.00	− 4
8	29.70	+ 7	33.00	+ 3	5.67	+ 3	26.63	0	53.35	0	57.83	− 6
9	29.49	+ 5	33.28	+ 5	5.69	+ 3	26.94	+ 3	53.50	+ 1	57.67	− 6
10	29.28	0	33.55	+ 7	5.71	+ 2	27.25	+ 6	53.65	+ 2	57.52	− 6
11	29.05	− 4	33.82	+ 8	5.72	0	27.56	+ 8	53.80	+ 3	57.37	− 4
12	28.82	− 9	34.09	+ 7	5.74	− 2	27.87	+ 9	53.95	+ 3	57.23	− 2
13	28.59	−13	34.35	+ 5	5.75	− 3	28.18	+ 9	54.10	+ 3	57.09	+ 2
14	28.34	−15	34.61	+ 2	5.75	− 5	28.48	+ 7	54.26	+ 3	56.96	+ 5
15	28.09	−14	34.87	− 2	5.76	− 5	28.79	+ 4	54.41	+ 2	56.84	+ 8
16	27.83	−11	35.12	− 5	5.76	− 5	29.10	0	54.57	0	56.72	+ 8
17	27.57	− 5	35.37	− 7	5.76	− 3	29.41	− 4	54.72	− 1	56.61	+ 7
18	27.29	+ 2	35.62	− 7	5.76	− 1	29.71	− 6	54.88	− 2	56.50	+ 4
19	27.01	+ 7	35.86	− 5	5.75	+ 2	30.02	− 7	55.04	− 2	56.40	0
20	26.72	+11	36.10	− 2	5.74	+ 4	30.33	− 6	55.20	− 2	56.31	− 4
21	26.43	+12	36.33	+ 2	5.72	+ 5	30.64	− 3	55.36	− 2	56.22	− 7
22	26.13	+11	36.55	+ 5	5.70	+ 5	30.94	0	55.52	0	56.14	− 9
23	25.82	+ 7	36.78	+ 7	5.68	+ 4	31.25	+ 3	55.68	+ 1	56.07	− 8
24	25.51	+ 2	36.99	+ 7	5.66	+ 2	31.55	+ 5	55.84	+ 1	56.00	− 6
25	25.19	− 2	37.21	+ 5	5.63	0	31.86	+ 5	56.00	+ 1	55.94	− 2
26	24.87	− 5	37.42	+ 3	5.60	− 1	32.16	+ 4	56.17	+ 1	55.89	+ 1
27	24.54	− 6	37.62	− 1	5.57	− 2	32.46	+ 2	56.33	+ 1	55.84	+ 4
28	24.20	− 6	37.82	− 4	5.54	− 3	32.76	− 1	56.49	0	55.80	+ 6
März 1	23.86	− 4	38.02	− 6	5.50	− 3	33.06	− 4	56.65	− 1	55.77	+ 7
2	23.51	− 1	38.21	− 7	5.46	− 2	33.36	− 6	56.81	− 2	55.74	+ 6
3	23.16	+ 3	38.39	− 7	5.41	− 1	33.65	− 7	56.97	− 2	55.72	+ 4
4	22.80	+ 6	38.57	− 6	5.37	+ 1	33.94	− 7	57.14	− 2	55.71	+ 2
5	22.44	+ 8	38.75	− 4	5.32	+ 2	34.23	− 6	57.30	− 2	55.71	0
6	22.08	+ 9	38.92	− 1	5.26	+ 3	34.52	− 4	57.46	− 2	55.71	− 3
7	21.71	+ 8	39.08	+ 1	5.21	+ 3	34.81	− 2	57.62	− 1	55.71	− 5
8	21.34	+ 6	39.24	+ 4	5.15	+ 3	35.10	+ 1	57.79	0	55.73	− 6
9	20.96	+ 3	39.40	+ 6	5.09	+ 2	35.38	+ 4	57.95	+ 1	55.75	− 6
10	20.58	− 2	39.55	+ 8	5.03	+ 1	35.66	+ 7	58.11	+ 2	55.78	− 5
11	20.19	− 7	39.69	+ 8	4.96	− 1	35.94	+ 9	58.28	+ 3	55.81	− 3
12	19.80	−11	39.83	+ 6	4.89	− 2	36.22	+ 9	58.44	+ 3	55.85	0
13	19.40	−14	39.96	+ 3	4.82	− 4	36.49	+ 7	58.60	+ 3	55.89	+ 4
14	19.00	−14	40.08	− 1	4.74	− 5	36.76	+ 5	58.76	+ 2	55.95	+ 7
15	18.60	−12	40.20	− 4	4.67	− 5	37.03	+ 1	58.92	+ 1	56.01	+ 8
sec δ, tg δ	87° 10′ 30″	20.290	+20.265		81° 40′ 30″	6.907	+6.834		82° 9′ 50″	7.335	+7.266	
	40	20.310	+20.285		40	6.909	+6.836		60	7.337	+7.269	

Tag	δ Ursae minoris $4^m.3$				λ Ursae minoris $6^m.8$				76 Draconis $6^m.0$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$17^h 57^m$	in s 0.01	+86° 36′	in ″ 0.01	$18^h 56^m$	in s 0.01	+89° 1′	in ″ 0.01	$20^h 48^m$	in s 0.01	+82° 14′	in ″ 0.01
	s		″		s		″		s		″	
Febr. 6	21.92	− 6	44.44	0	29.84	−21	22.05	+ 2	15.53	− 1	31.84	+ 4
7	22.18	− 5	44.20	− 2	30.47	−20	21.77	− 1	15.54	− 2	31.51	+ 1
8	22.44	− 3	43.97	− 5	31.12	−16	21.49	− 4	15.55	− 2	31.17	− 2
9	22.71	0	43.74	− 7	31.79	− 7	21.22	− 6	15.57	− 2	30.84	− 5
10	22.99	+ 3	43.52	− 7	32.49	+ 4	20.95	− 8	15.59	− 2	30.51	− 7
11	23.27	+ 6	43.30	− 6	33.20	+17	20.68	− 8	15.62	− 1	30.18	− 9
12	23.56	+ 9	43.09	− 4	33.94	+28	20.41	− 6	15.65	+ 1	29.85	− 9
13	23.85	+10	42.88	− 1	34.69	+36	20.15	− 3	15.68	+ 2	29.53	− 7
14	24.15	+ 9	42.68	+ 3	35.47	+38	19.89	0	15.71	+ 3	29.20	− 4
15	24.45	+ 7	42.48	+ 6	36.27	+33	19.64	+ 4	15.75	+ 3	28.88	0
16	24.75	+ 4	42.29	+ 8	37.09	+21	19.39	+ 6	15.79	+ 3	28.55	+ 4
17	25.06	0	42.11	+ 8	37.92	+ 6	19.15	+ 8	15.83	+ 2	28.23	+ 6
18	25.37	− 4	41.93	+ 6	38.78	−11	18.91	+ 7	15.87	+ 1	27.91	+ 7
19	25.69	− 7	41.75	+ 2	39.65	−24	18.67	+ 4	15.92	− 1	27.59	+ 6
20	26.01	− 8	41.58	− 2	40.54	−31	18.44	0	15.97	− 2	27.27	+ 4
21	26.34	− 7	41.42	− 6	41.45	−31	18.21	− 4	16.03	− 3	26.96	0
22	26.66	− 4	41.26	− 8	42.37	−24	17.99	− 6	16.09	− 4	26.65	− 3
23	26.99	− 1	41.11	− 8	43.31	−13	17.77	− 7	16.15	− 3	26.34	− 5
24	27.33	+ 1	40.96	− 6	44.27	− 1	17.56	− 7	16.22	− 2	26.03	− 6
25	27.66	+ 3	40.82	− 4	45.24	+ 9	17.35	− 4	16.28	0	25.73	− 5
26	28.00	+ 4	40.69	0	46.23	+15	17.15	− 1	16.35	+ 1	25.43	− 3
27	28.34	+ 3	40.56	+ 3	47.24	+15	16.95	+ 2	16.43	+ 2	25.13	0
28	28.68	+ 2	40.44	+ 6	48.26	+13	16.76	+ 5	16.50	+ 2	24.83	+ 3
März 1	29.03	0	40.32	+ 7	49.30	+ 6	16.57	+ 7	16.58	+ 2	24.54	+ 6
2	29.38	− 2	40.21	+ 7	50.35	− 3	16.39	+ 7	16.66	+ 2	24.25	+ 7
3	29.73	− 4	40.10	+ 6	51.41	−11	16.21	+ 7	16.74	+ 1	23.97	+ 7
4	30.08	− 5	40.01	+ 4	52.49	−17	16.04	+ 5	16.83	0	23.69	+ 6
5	30.44	− 6	39.92	+ 1	53.58	−21	15.87	+ 3	16.92	− 1	23.41	+ 5
6	30.80	− 5	39.83	− 2	54.68	−22	15.71	0	17.01	− 2	23.14	+ 2
7	31.16	− 4	39.75	− 4	55.80	−19	15.56	− 3	17.10	− 2	22.87	0
8	31.52	− 2	39.68	− 6	56.92	−12	15.41	− 5	17.20	− 2	22.61	− 4
9	31.88	+ 1	39.62	− 7	58.06	− 2	15.27	− 7	17.29	− 2	22.34	− 6
10	32.24	+ 4	39.56	− 7	59.20	+10	15.13	− 8	17.40	− 1	22.09	− 8
11	32.61	+ 7	39.51	− 5	60.36	+22	15.00	− 7	17.50	0	21.83	− 9
12	32.98	+ 9	39.47	− 2	61.53	+31	14.87	− 4	17.61	+ 1	21.58	− 8
13	33.34	+ 9	39.43	+ 1	62.70	+36	14.75	− 1	17.72	+ 2	21.34	− 5
14	33.71	+ 8	39.40	+ 5	63.88	+34	14.64	+ 3	17.83	+ 3	21.10	− 1
15	34.08	+ 5	39.37	+ 7	65.07	+25	14.53	+ 6	17.94	+ 3	20.86	+ 2
sec δ, tg δ	86° 36′ 40″	16.917	+16.887		89° 1′ 10″	58.435	+58.426		82° 14′ 20″	7.405	+7.337	
	50	16.931	+16.901		20	58.601	+58.592		30	7.408	+7.340	

Tag	43 Hev. Cephei 4ᵐ.3				α Ursae minoris 2ᵐ.0				Gr. 750 6ᵐ.8			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$0^h 57^m$	in ˢ 0.01	+85° 50′	in ″ 0.01	$1^h 31^m$	in ˢ 0.01	+88° 52′	in ″ 0.01	$4^h 11^m$	in ˢ 0.01	+85° 20′	in ″ 0.01
März 15	ˢ33.52	+2	″14.28	−9	ˢ50.14	+7	″70.39	−9	ˢ17.18	−4	″60.28	−9
16	33.43	+5	13.98	−6	49.62	+19	70.10	−7	16.94	0	60.15	−9
17	33.34	+7	13.67	−2	49.13	+25	69.81	−3	16.70	+3	60.02	−7
18	33.26	+7	13.36	+2	48.65	+24	69.52	+1	16.47	+6	59.89	−3
19	33.18	+5	13.06	+6	48.20	+18	69.22	+5	16.23	+7	59.75	+1
20	33.11	+2	12.74	+8	47.76	+7	68.93	+8	16.00	+6	59.60	+5
21	33.04	−2	12.43	+8	47.35	−6	68.63	+8	15.77	+4	59.45	+8
22	32.98	−5	12.12	+6	46.96	−18	68.33	+7	15.54	0	59.29	+9
23	32.92	−7	11.80	+3	46.59	−24	68.03	+4	15.32	−2	59.13	+7
24	32.88	−7	11.49	0	46.23	−24	67.72	+1	15.10	−4	58.97	+5
25	32.83	−5	11.17	−3	45.90	−18	67.42	−2	14.88	−5	58.80	+1
26	32.80	−2	10.85	−5	45.59	−8	67.11	−4	14.67	−4	58.62	−2
27	32.77	+1	10.54	−5	45.30	+3	66.80	−5	14.45	−2	58.44	−5
28	32.74	+4	10.22	−4	45.03	+14	66.49	−4	14.24	0	58.26	−6
29	32.72	+6	9.90	−2	44.78	+22	66.17	−3	14.04	+3	58.07	−6
30	32.71	+7	9.59	0	44.55	+26	65.86	−1	13.83	+5	57.87	−5
31	32.70	+7	9.27	+3	44.34	+25	65.55	+2	13.63	+6	57.67	−3
April 1	32.70	+6	8.95	+4	44.16	+21	65.23	+4	13.43	+6	57.47	−1
2	32.70	+4	8.63	+6	43.99	+13	64.92	+5	13.24	+6	57.26	+2
3	32.71	+1	8.31	+6	43.85	+4	64.60	+6	13.05	+4	57.05	+4
4	32.72	−2	7.99	+5	43.72	−6	64.29	+5	12.87	+2	56.83	+6
5	32.74	−4	7.68	+3	43.62	−16	63.97	+4	12.69	−1	56.61	+6
6	{32.77 32.80	−7 −8	7.36 7.05	+1 −2	43.54	−24	63.65	+2	12.51	−4	56.39	+6
7	32.84	−7	6.73	−5	43.48	−28	63.33	−1	12.33	−6	56.16	+4
8	32.88	−6	6.42	−8	43.44	−27	63.02	−4	12.16	−8	55.93	+1
9	32.93	−3	6.11	−9	43.42	−21	62.70	−7	11.99	−9	55.69	−2
10	32.99	+1	5.80	−9	43.42	−10	62.38	−9	11.83	−7	55.45	−5
11	33.05	+4	5.49	−7	43.45	+3	62.06	−9	11.67	−5	55.20	−8
12	33.11	+7	5.18	−3	43.50	+15	61.75	−7	11.52	−1	54.95	−9
13	33.18	+7	4.88	+1	43.56	+24	61.43	−4	11.37	+3	54.70	−7
14	33.26	+6	4.58	+5	{43.65 43.76	+26 +22	61.12 60.80	0 +4	11.22	+5	54.45	−4
15	33.34	+3	4.28	+7	43.89	+12	60.49	+7	11.08	+7	54.19	0
16	33.43	0	3.98	+8	44.04	−1	60.18	+8	10.94	+7	53.93	+4
17	33.52	−4	3.68	+7	44.20	−13	59.86	+7	10.81	+5	53.67	+7
18	33.62	−6	3.38	+4	44.39	−23	59.55	+5	10.68	+2	53.40	+9
19	33.72	−7	3.09	+1	44.60	−25	59.24	+2	10.56	−1	53.13	+8
20	33.83	−6	2.80	−2	44.83	−21	58.93	−1	10.44	−4	52.86	+6
21	33.94	−4	2.51	−4	45.08	−14	58.62	−4	10.33	−5	52.59	+3
sec δ, tg δ	85° 50′ 0″ 10	13.763 13.772	+13.727 +13.736		88° 52′ 60″ 70	51.313 51.441	+51.303 +51.431		85° 20′ 50″ 60	12.328 12.335	+12.287 +12.295	

Tag	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$7^h\ 4^m$	in ^{s} 0.01	+87° 10′	in ″ 0.01	$9^h 26^m$	in ^{s} 0.01	+81° 40′	in ″ 0.01	$16^h 53^m$	in ^{s} 0.01	+82° 9′	in ″ 0.01
März 15	$18.^s60$	−12	$40.''20$	−4	$4.^s67$	−5	$37.''03$	+1	$58.^s92$	+1	$56.''01$	+8
16	18.20	−7	40.32	−7	4.59	−4	37.29	−3	59.08	−1	56.07	+8
17	17.79	−1	40.43	−7	4.51	−2	37.55	−6	59.24	−2	56.14	+6
18	17.38	+5	40.53	−6	4.43	0	37.80	−7	59.40	−2	56.22	+2
19	16.97	+9	40.63	−4	4.34	+3	38.06	−6	59.55	−2	56.31	−2
20	16.56	+12	40.72	0	4.26	+4	38.30	−4	59.71	−2	56.40	−6
21	16.14	+11	40.80	+4	4.17	+5	38.55	−1	59.87	−1	56.50	−8
22	15.72	+8	40.88	+6	4.08	+4	38.79	+2	60.02	0	56.61	−8
23	15.30	+3	40.95	+7	3.99	+3	39.03	+5	60.18	+1	56.72	−7
24	14.88	−1	41.01	+7	3.89	+1	39.27	+6	60.33	+2	56.83	−4
25	14.46	−5	41.07	+4	3.79	−1	39.50	+5	60.48	+2	56.96	0
26	14.03	−7	41.12	+1	3.69	−2	39.72	+3	60.63	+1	57.09	+3
27	13.61	−7	41.17	−2	3.59	−3	39.95	0	60.78	0	57.22	+5
28	13.18	−5	41.21	−5	3.49	−3	40.16	−2	60.92	−1	57.36	+7
29	12.76	−2	41.25	−7	3.39	−2	40.38	−5	61.07	−1	57.51	+6
30	12.33	+1	41.28	−7	3.28	−1	40.59	−7	61.22	−2	57.66	+5
31	11.90	+5	41.30	−7	3.17	0	40.79	−7	61.36	−2	57.82	+3
April 1	11.47	+7	41.32	−5	3.06	+1	40.99	−6	61.50	−2	57.98	+1
2	11.04	+9	41.33	−2	2.94	+2	41.19	−5	61.64	−2	58.15	−2
3	10.62	+9	41.33	0	2.83	+3	41.38	−3	61.78	−1	58.32	−4
4	10.19	+7	41.33	+3	2.71	+3	41.56	0	61.91	0	58.50	−6
5	9.76	+4	41.33	+6	2.59	+3	41.74	+3	62.05	+1	58.69	−6
6	9.33	0	41.32	+7	2.48	+2	41.92	+6	62.18	+2	58.87	−6
7	8.91	−4	41.30	+8	2.36	0	42.09	+8	62.31	+3	59.07	−4
8	8.48	−9	41.28	+7	2.23	−2	42.25	+9	62.44	+3	59.27	−1
9	8.06	−12	41.25	+4	2.11	−3	42.41	+8	62.57	+3	59.47	+2
10	7.63	−14	41.21	+1	1.99	−5	42.57	+5	62.69	+2	59.68	+5
11	7.21	−12	41.17	−3	1.86	−5	42.72	+2	62.81	+1	59.90	+8
12	6.79	−9	41.12	−6	1.74	−4	42.86	−2	62.93	0	60.12	+8
13	6.37	−3	41.06	−8	1.61	−3	43.00	−5	63.05	−1	60.34	+7
14	5.95	+3	41.00	−7	1.48	0	43.14	−7	63.17	−2	60.57	+4
15	5.54	+8	40.94	−5	1.35	+2	43.27	−7	63.28	−3	60.80	0
16	5.12	+11	40.87	−2	1.22	+4	43.39	−5	63.40	−2	61.04	−4
17	4.71	+12	40.79	+2	1.09	+5	43.51	−2	63.51	−1	61.28	−7
18	4.30	+10	40.71	+5	0.96	+4	43.63	+1	63.62	0	61.53	−8
19	3.90	+5	40.62	+7	0.82	+3	43.74	+4	63.72	+1	61.78	−8
20	3.49	0	40.52	+7	0.69	+2	43.84	+6	63.83	+2	62.03	−5
21	3.09	−4	40.42	+5	0.56	0	43.94	+6	63.93	+2	62.29	−2
sec δ, tg δ	87° 10′ 40″	20.310	+20.285		81° 40′ 40″	6.909	+6.836		82° 9′ 50″	7.335	+7.266	
	50	20.330	+20.305		50	6.911	+6.839		60	7.337	+7.269	

Tag	δ Ursae minoris 4ᵐ.3 AR.	☾ Gl.	Dekl.	☾ Gl.	λ Ursae minoris 6ᵐ.8 AR.	☾ Gl.	Dekl.	☾ Gl.	76 Draconis 6ᵐ.0 AR.	☾ Gl.	Dekl.	☾ Gl.
1921	17ʰ 57ᵐ	in ˢ 0.01	+86° 36′	in ″ 0.01	18ʰ 57ᵐ	in ˢ 0.01	+89° 1′	in ″ 0.01	20ʰ 48ᵐ	in ˢ 0.01	+82° 14′	in ″ 0.01
März 15	34.08	+5	39.37	+7	5.07	+25	14.53	+6	17.94	+3	20.86	+2
16	34.45	+1	39.35	+8	6.27	+12	14.43	+7	18.06	+3	20.63	+5
17	34.81	−3	39.34	+7	7.48	−4	14.33	+7	18.17	+1	20.40	+7
18	35.18	−6	39.33	+4	8.69	−18	14.24	+5	18.29	0	20.18	+7
19	35.55	−7	39.33	0	9.91	−27	14.16	+2	18.40	−2	19.96	+5
20	35.92	−7	39.33	−4	11.13	−30	14.08	−2	18.53	−3	19.75	+1
21	36.29	−5	39.34	−7	12.36	−25	14.01	−5	18.66	−3	19.54	−2
22	36.66	−2	39.36	−8	13.59	−15	13.94	−7	18.79	−3	19.34	−5
23	37.02	+1	39.38	−7	14.83	−3	13.88	−7	18.92	−2	19.14	−6
24	37.39	+3	39.42	−5	16.07	+8	13.83	−6	19.05	−1	18.95	−6
25	37.76	+4	39.45	−2	17.32	+15	13.78	−3	19.18	+1	18.77	−4
26	38.12	+4	39.50	+2	18.57	+18	13.74	+1	19.32	+2	18.59	−1
27	38.48	+3	39.55	+5	19.82	+15	13.71	+4	19.45	+2	18.41	+2
28	38.84	+1	39.60	+7	21.07	+9	13.68	+6	19.59	+2	18.24	+5
29	39.20	−2	39.66	+7	22.32	+1	13.66	+7	19.73	+2	18.08	+7
30	39.56	−4	39.73	+6	23.57	−8	13.64	+7	19.88	+1	17.92	+7
31	39.92	−5	39.80	+5	24.83	−15	13.63	+6	20.02	0	17.76	+7
April 1	40.27	−6	39.88	+2	26.08	−20	13.63	+4	20.17	−1	17.61	+6
2	40.63	−6	39.97	−1	27.34	−22	13.63	+1	20.31	−2	17.47	+3
3	40.97	−5	40.06	−3	28.59	−20	13.64	−2	20.46	−2	17.34	0
4	41.32	−3	40.16	−5	29.85	−15	13.65	−5	20.61	−2	17.21	−3
5	41.67	0	40.26	−7	31.10	−7	13.67	−7	20.76	−2	17.09	−5
6	42.01	+3	40.37	−7	32.35	+5	13.70	−8	20.91	−1	16.97	−7
7	42.35	+6	40.49	−6	33.59	+16	13.73	−7	21.06	0	16.86	−8
8	42.70	+8	40.61	−4	34.83	+27	13.77	−5	21.21	+1	16.75	−8
9	43.04	+9	40.74	0	36.07	+33	13.82	−2	21.37	+2	16.65	−6
10	43.37	+8	40.87	+3	37.30	+33	13.87	+1	21.52	+3	16.56	−3
11	43.70	+6	41.01	+6	38.53	+27	13.93	+5	21.68	+3	16.48	+1
12	44.03	+2	41.16	+8	39.75	+15	13.99	+7	21.84	+3	16.40	+5
13	44.35	−2	41.31	+7	40.97	+1	14.06	+8	21.99	+2	16.32	+7
14	44.68	−5	41.46	+5	42.18	−14	14.14	+6	22.15	+1	16.26	+7
15	44.99	−7	41.62	+2	43.38	−26	14.22	+3	22.31	−1	16.20	+6
16	45.31	−7	41.79	−2	44.58	−30	14.31	−1	22.47	−2	16.14	+3
17	45.62	−6	41.96	−6	45.77	−28	14.40	−4	22.63	−3	16.09	−1
18	45.93	−3	42.13	−8	46.95	−19	14.50	−7	22.79	−3	16.05	−4
19	46.23	0	42.31	−8	48.12	−7	14.61	−8	22.95	−2	16.01	−6
20	46.53	+3	42.50	−6	49.29	+5	14.72	−6	23.11	−1	15.98	−6
21	46.82	+4	42.69	−3	50.45	+14	14.83	−4	23.27	0	15.96	−5
sec δ, tg δ	86° 36′ 30″	16.903	+16.873	89° 1′ 10″	58.435	+58.426	82° 14′ 10″	7.402	+7.335			
	40	16.917	+16.887	20	58.601	+58.592	20	7.405	+7.337			

Tag	43 Hev. Cephei 4ᵐ.3				α Ursae minoris 2ᵐ.0				Gr. 750 6ᵐ.8			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$0^h 57^m$	in ^{s} 0.01	+85° 49′	in ″ 0.01	$1^h 31^m$	in ^{s} 0.01	+88° 52′	in ″ 0.01	$4^h 11^m$	in ^{s} 0.01	+85° 20′	in ″ 0.01
April 21	33.94	− 4	62.51	− 4	45.08	−14	58.62	− 4	10.33	− 5	52.59	+ 3
22	34.06	− 1	62.23	− 5	45.36	− 2	58.32	− 5	10.22	− 5	52.31	− 1
23	34.18	+ 3	61.95	− 5	45.65	+ 9	58.01	− 5	10.11	− 3	52.03	− 4
24	34.31	+ 5	61.67	− 3	45.96	+19	57.71	− 4	10.01	− 1	51.75	− 6
25	34.44	+ 7	61.39	− 1	46.29	+24	57.41	− 2	9.92	+ 2	51.47	− 6
26	34.58	+ 7	61.12	+ 2	46.64	+26	57.11	+ 1	9.82	+ 4	51.18	− 6
27	34.73	+ 6	60.84	+ 4	47.02	+22	56.82	+ 3	9.74	+ 5	50.90	− 4
28	34.88	+ 5	60.58	+ 5	47.41	+17	56.52	+ 4	9.65	+ 6	50.61	− 2
29	35.03	+ 2	60.31	+ 6	47.82	+ 8	56.23	+ 5	9.57	+ 6	50.32	+ 1
30	35.19	− 1	60.05	+ 5	48.25	− 2	55.94	+ 5	9.50	+ 5	50.03	+ 3
Mai 1	35.35	− 3	59.79	+ 4	48.69	−12	55.66	+ 5	9.43	+ 3	49.74	+ 5
2	35.52	− 6	59.53	+ 2	49.16	−21	55.38	+ 3	9.37	0	49.44	+ 6
3	35.69	− 7	59.28	− 1	49.64	−27	55.10	0	9.31	− 3	49.14	+ 6
4	35.87	− 8	59.03	− 4	50.14	−28	54.82	− 3	9.25	− 6	48.85	+ 5
5	36.05	− 7	58.79	− 7	50.66	−24	54.55	− 6	9.21	− 8	48.55	+ 2
6	36.24	− 4	58.55	− 9	51.20	−15	54.28	− 8	9.16	− 9	48.25	− 1
7	36.43	− 1	58.32	− 9	51.75	− 3	54.01	− 9	9.12	− 8	47.95	− 4
8	36.62	+ 3	58.09	− 7	52.33	+10	53.74	− 8	9.09	− 6	47.65	− 7
9	36.82	+ 6	57.86	− 4	52.92	+21	53.48	− 5	9.06	− 3	47.34	− 8
10	37.02	+ 7	57.64	0	53.53	+27	53.22	− 1	9.04	+ 1	47.04	− 8
11	37.23	+ 7	57.42	+ 4	54.15	+25	52.96	+ 3	9.02	+ 5	46.74	− 6
12	37.44	+ 5	57.20	+ 7	54.79	+18	52.71	+ 6	9.01	+ 7	46.44	− 2
13	37.65	+ 1	56.99	+ 9	55.44	+ 6	52.46	+ 8	9.00	+ 8	46.13	+ 2
14	37.87	− 2	56.79	+ 8	56.11	− 7	52.22	+ 9	9.00	+ 6	45.83	+ 6
15	38.09	− 5	56.58	+ 6	56.80	−18	51.98	+ 7	9.00	+ 4	45.53	+ 8
16	38.32	− 7	56.39	+ 3	57.50	−24	51.74	+ 4	9.01	0	45.22	+ 9
17	38.54	− 6	56.19	− 1	58.22	−23	51.51	0	9.02	− 3	44.92	+ 7
18	38.78	− 5	56.00	− 3	58.96	−17	51.28	− 3	9.04	− 5	44.62	+ 4
19	39.01	− 2	55.82	− 5	59.71	− 7	51.06	− 5	9.06	− 5	44.31	0
20	39.25	+ 2	55.64	− 5	60.47	+ 5	50.84	− 5	9.09	− 4	44.01	− 3
21	39.50	+ 4	55.47	− 4	61.25	+16	50.62	− 4	9.12	− 2	43.71	− 5
22	39.74	+ 7	55.30	− 2	62.04	+23	50.41	− 3	9.16	0	43.41	− 6
23	39.99	+ 7	55.14	+ 1	62.84	+26	50.20	0	9.20	+ 3	43.11	− 6
24	40.25	+ 7	54.98	+ 3	63.66	+24	50.00	+ 2	9.24	+ 5	42.81	− 5
25	40.50	+ 5	54.83	+ 5	64.49	+19	49.80	+ 4	9.29 9.35	+ 6 + 6	42.51 42.21	− 3 0
26	40.76	+ 3	54.68	+ 6	65.34	+11	49.61	+ 5	9.41	+ 5	41.92	+ 2
27	41.02	0	54.54	+ 5	66.20	+ 1	49.42	+ 5	9.47	+ 4	41.63	+ 4
28	41.28	− 3	54.40	+ 4	67.07	− 9	49.23	+ 5	9.54	+ 1	41.33	+ 6
sec δ, tg δ	85° 49′ 50″ 60		13.754 13.763	+13.718 +13.727	88° 52′ 50″ 60		51.186 51.313	+51.176 +51.303	85° 20′ 40″ 50		12.321 12.328	+12.280 +12.287

Tag	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$7^h\ 3^m$	in s 0.01	+87° 10′	in ″ 0.01	$9^h\ 25^m$	in s 0.01	+81° 40′	in ″ 0.01	$16^h\ 54^m$	in s 0.01	+82° 10′	in ″ 0.01
April 21	63.09	− 4	40.42	+ 5	60.56	0	43.94	+ 6	3.93	+ 2	2.29	− 2
22	62.70	− 7	40.31	+ 3	60.42	− 2	44.03	+ 4	4.03	+ 2	2.55	+ 2
23	62.30	− 8	40.20	− 1	60.29	− 3	44.12	+ 2	4.13	+ 1	2.81	+ 4
24	61.92	− 6	40.08	− 4	60.15	− 3	44.20	− 1	4.22	0	3.08	+ 6
25	61.53	− 4	39.95	− 6	60.01	− 3	44.27	− 4	4.31	− 1	3.35	+ 7
26	61.15	0	39.83	− 7	59.88	− 2	44.34	− 6	4.40	− 2	3.63	+ 6
27	60.77	+ 3	39.69	− 7	59.74	0	44.41	− 7	4.49	− 2	3.90	+ 4
28	60.40	+ 6	39.55	− 6	59.60	+ 1	44.46	− 7	4.57	− 2	4.19	+ 1
29	60.03	+ 8	39.41	− 3	59.47	+ 2	44.51	− 6	4.65	− 2	4.47	− 1
30	59.66	+ 8	39.26	− 1	59.33	+ 3	44.56	− 4	4.73	− 1	4.76	− 3
Mai 1	59.30	+ 7	39.11	+ 2	59.19	+ 3	44.60	− 1	4.81	0	5.05	− 5
2	58.94	+ 5	38.95	+ 5	59.06	+ 3	44.64	+ 2	4.88	+ 1	5.34	− 6
3	58.58	+ 2	38.79	+ 7	58.92	+ 2	44.67	+ 5	4.95	+ 2	5.64	− 6
4	58.23	− 3	38.62	+ 8	58.79	+ 1	44.69	+ 7	5.02	+ 2	5.94	− 5
5	57.89	− 7	38.45	+ 7	58.65	− 1	44.71	+ 9	5.09	+ 3	6.24	− 2
6	57.55	−11	38.27	+ 5	58.51	− 3	44.72	+ 8	5.15	+ 3	6.54	+ 1
7	57.22	−13	38.09	+ 2	58.37	− 4	44.73	+ 7	5.21	+ 3	6.85	+ 4
8	56.89	−13	37.90	− 1	58.23	− 5	44.73	+ 4	5.27	+ 2	7.15	+ 7
9	56.57	−10	37.71	− 5	58.09	− 5	44.72	0	5.33	0	7.47	+ 8
10	56.25	− 5	37.51	− 7	57.96	− 3	44.71	− 4	5.38	− 1	7.78	+ 7
11	55.94	+ 1	37.31	− 8	57.82	− 1	44.69	− 7	5.43	− 2	8.10	+ 5
12	55.63	+ 7	37.10	− 6	57.69	+ 1	44.67	− 8	5.48	− 3	8.41	+ 1
13	55.33	+11	36.90	− 3	57.55	+ 3	44.65	− 7	5.52	− 2	8.73	− 3
14	55.04	+13	36.68	+ 1	57.42	+ 5	44.61	− 4	5.56	− 2	9.05	− 6
15	54.75	+11	36.46	+ 4	57.29	+ 5	44.57	− 1	5.60	− 1	9.37	− 8
16	54.46	+ 8	36.24	+ 7	57.15	+ 4	44.53	+ 3	5.64	0	9.69	− 8
17	54.19	+ 3	36.02	+ 7	57.02	+ 3	44.48	+ 5	5.67	+ 1	10.01	− 6
18	53.91	− 2	35.78	+ 6	56.89	+ 1	44.42	+ 6	5.71	+ 2	10.33	− 3
19	53.65	− 6	35.55	+ 4	56.75	− 1	44.36	+ 5	5.74	+ 2	10.66	0
20	53.39	− 8	35.31	0	56.62	− 3	44.29	+ 3	5.76	+ 1	10.98	+ 4
21	53.14	− 7	35.07	− 3	56.49	− 3	44.22	0	5.78	0	11.31	+ 6
22	52.89	− 5	34.82	− 5	56.36	− 3	44.14	− 3	5.80	− 1	11.63	+ 7
23	52.65	− 2	34.58	− 7	56.23	− 2	44.05	− 5	5.82	− 2	11.96	+ 6
24	52.42	+ 2	34.32	− 7	56.11	− 1	43.96	− 7	5.83	− 2	12.28	+ 5
25	52.20	+ 5	34.07	− 6	55.98	0	43.87	− 7	5.84	− 2	12.61	+ 3
26	51.98	+ 7	33.81	− 4	55.86	+ 2	43.77	− 6	5.85	− 2	12.94	0
27	51.77	+ 8	33.55	− 2	55.73	+ 2	43.66	− 4	5.86	− 2	13.27	− 2
28	51.56	+ 8	33.28	+ 1	55.61	+ 3	43.55	− 2	5.86	− 1	13.59	− 5
sec δ, tg δ	87° 10′ 30″	20.290	+20.265		81° 40′ 40″	6.909	−6.836		82° 10′ 0″	7.337	−7.269	
	40	20.310	+20.285		50	6.911	−6.839		10	7.340	−7.271	

Tag	δ Ursae minoris $4^m.3$				λ Ursae minoris $6^m.8$				76 Draconis $6^m.0$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$17^h 57^m$	in ^{s} 0.01	+86° 36′	in ″ 0.01	$18^h 57^m$	in ^{s} 0.01	+89° 1′	in ″ 0.01	$20^h 48^m$	in ^{s} 0.01	+82° 14′	in ″ 0.01
April 21	46.82	+ 4	42.69	− 3	50.45	+14	14.83	− 4	23.27	0	15.96	− 5
22	47.11	+ 5	42.89	0	51.60	+19	14.95	− 1	23.43	+ 1	15.94	− 3
23	47.40	+ 4	43.09	+ 4	52.74	+18	15.08	+ 3	23.59	+ 2	15.93	0
24	47.68	+ 2	43.30	+ 6	53.87	+13	15.21	+ 5	23.75	+ 2	15.93	+ 3
25	47.95	0	43.51	+ 7	54.99	+ 5	15.35	+ 7	23.92	+ 2	15.93	+ 6
26	48.23	− 3	43.72	+ 7	56.10	− 4	15.49	+ 7	24.08	+ 2	15.93	+ 7
27	48.49	− 5	43.94	+ 5	57.19	−12	15.64	+ 6	24.24	+ 1	15.95	+ 7
28	48.76	− 6	44.16	+ 3	58.27	−18	15.79	+ 4	24.40	0	15.96	+ 6
29	49.02	− 6	44.39	+ 1	59.34	−21	15.95	+ 2	24.57	− 1	15.99	+ 4
30	49.27	− 5	44.62	− 2	60.40	−21	16.12	− 1	24.73	− 2	16.02	+ 2
Mai 1	49.52	− 3	44.86	− 4	61.45	−17	16.29	− 4	24.89	− 2	16.06	− 1
2	49.76	− 1	45.10	− 6	62.48	− 9	16.47	− 6	25.05	− 2	16.10	− 4
3	50.00	+ 2	45.35	− 7	63.50	+ 1	16.65	− 7	25.21	− 2	16.15	− 7
4	50.23	+ 5	45.59	− 7	64.51	+12	16.83	− 8	25.37	− 1	16.21	− 8
5	50.46	+ 7	45.85	− 5	65.50	+23	17.02	− 6	25.54	0	16.27	− 9
6	50.68	+ 9	46.10	− 2	66.48	+31	17.22	− 4	25.70	+ 1	16.34	− 7
7	50.90	+ 9	46.36	+ 2	67.44	+34	17.42	0	25.86	+ 3	16.41	− 4
8	51.11	+ 7	46.62	+ 5	68.39	+30	17.62	+ 3	26.02	+ 3	16.49	0
9	51.32	+ 3	46.89	+ 7	69.32	+20	17.83	+ 6	26.18	+ 3	16.58	+ 3
10	51.52	− 1	47.16	+ 8	70.24	+ 5	18.04	+ 8	26.34	+ 2	16.67	+ 6
11	51.72	− 4	47.43	+ 6	71.14	−10	18.26	+ 7	26.50	+ 1	16.77	+ 8
12	51.91	− 7	47.71	+ 3	72.03	−24	18.48	+ 5	26.65	− 1	16.87	+ 7
13	52.09	− 8	47.99	− 1	72.90	−31	18.70	+ 1	26.81	− 2	16.98	+ 5
14	52.27	− 7	48.27	− 4	73.75	−32	18.93	− 3	26.97	− 3	17.10	+ 1
15	52.44	− 5	48.55	− 7	74.59	−25	19.16	− 6	27.12	− 3	17.22	− 2
16	52.60	− 2	48.84	− 8	75.41	−14	19.40	− 7	27.27	− 3	17.35	− 5
17	52.76	+ 1	49.13	− 7	76.21	− 1	19.64	− 7	27.42	− 2	17.48	− 6
18	52.92	+ 4	49.42	− 4	76.99	+11	19.88	− 5	27.57	0	17.62	− 6
19	53.07	+ 5	49.71	− 1	77.75	+18	20.13	− 2	27.72	+ 1	17.77	− 4
20	53.21	+ 4	50.01	+ 3	78.50	+20	20.38	+ 2	27.87	+ 2	17.92	− 1
21	53.35	+ 3	50.31	+ 5	79.23	+16	20.64	+ 5	28.02	+ 2	18.08	+ 2
22	53.48	+ 1	50.61	+ 7	79.94	+ 9	20.90	+ 7	28.16	+ 2	18.24	+ 5
23	53.60	− 2	50.91	+ 7	80.63	0	21.16	+ 7	28.30	+ 2	18.40	+ 7
24	53.72	− 4	51.22	+ 6	81.30	− 9	21.43	+ 7	28.45	+ 1	18.57	+ 7
25	53.83	− 5	51.53	+ 4	81.96	−16	21.70	+ 5	28.59	0	18.75	+ 6
26	53.93	− 6	51.84	+ 1	82.59	−20	21.97	+ 3	28.73	− 1	18.93	+ 5
27	54.03	− 5	52.15	− 1	83.21	−21	22.25	0	28.87	− 2	19.12	+ 2
28	54.12	− 4	52.46	− 4	83.80	−18	22.53	− 3	29.01	− 2	19.31	0

sec δ, tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
	86° 36′ 40″	16.917	+16.887	89° 1′ 10″	58.435	+58.426	82° 14′ 10″	7.402	+7.335
	50	16.931	+16.901	20	58.601	+58.592	20	7.405	+7.337

Tag	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$0^h 57^m$	in ^{s} 0.01	+85° 49′	in ″ 0.01	$1^h 32^m$	in ^{s} 0.01	+88° 52′	in ″ 0.01	$4^h 11^m$	in ^{s} 0.01	+85° 20′	in ″ 0.01
Mai 28	41.28	− 3	54.40	+ 4	7.07	− 9	49.23	+ 5	9.54	+ 1	41.33	+ 6
29	41.55	− 5	54.27	+ 2	7.95	−18	49.05	+ 3	9.62	− 2	41.04	+ 6
30	41.82	− 7	54.14	0	8.84	−25	48.88	+ 1	9.70	− 5	40.75	+ 5
31	42.09	− 8	54.02	− 4	9.75	−28	48.71	− 2	9.79	− 7	40.46	+ 3
Juni 1	42.37	− 7	53.90	− 6	10.66	−27	48.55	− 5	9.88	− 9	40.17	0
2	42.64	− 5	53.79	− 9	11.59	−20	48.39	− 8	9.97	− 9	39.88	− 3
3	42.92	− 2	53.69	−10	12.53	− 9	48.23	− 9	10.07	− 7	39.60	− 6
4	43.20	+ 1	53.58	− 9	13.48	+ 4	48.08	− 9	10.17	− 5	39.31	− 8
5	43.48	+ 5	53.49	− 6	14.44	+16	47.93	− 7	10.27	− 1	39.03	− 8
6	43.77	+ 7	53.40	− 2	15.41	+24	47.79	− 3	10.39	+ 3	38.75	− 7
7	44.05	+ 7	53.31	+ 2	16.39	+27	47.65	+ 1	10.50	+ 6	38.48	− 4
8	44.34	+ 6	53.23	+ 6	17.38	+22	47.52	+ 5	10.62	+ 8	38.20	+ 1
9	44.63	+ 3	53.15	+ 8	18.38	+11	47.39	+ 8	10.75	+ 7	37.93	+ 5
10	44.93	− 1	53.08	+ 9	19.39	− 2	47.27	+ 9	10.88	+ 5	37.66	+ 8
11	45.22	− 4	53.02	+ 8	20.40	−14	47.15	+ 8	11.01	+ 2	37.39	+ 9
12	45.51	− 6	52.96	+ 4	21.43	−22	47.04	+ 5	11.15	− 1	37.13	+ 8
13	45.81	− 7	52.91	+ 1	22.46	−24	46.94	+ 2	11.29	− 4	36.87	+ 6
14	46.11	− 5	52.87	− 2	23.50	−20	46.84	− 1	11.44	− 5	36.61	+ 2
15	46.41	− 3	52.83	− 4	24.55	−11	46.74	− 4	11.59	− 4	36.35	− 1
16	46.71	0	52.79	− 5	25.60	+ 1	46.65	− 5	11.75	− 3	36.10	− 4
17	47.01	+ 3	52.76	− 4	26.66	+12	46.57	− 5	11.91	0	35.85	− 6
18	47.31	+ 6	52.74	− 2	27.73	+21	46.49	− 3	12.07	+ 2	35.60	− 6
19	47.61	+ 7	52.72	0	28.80	+25	46.42	− 1	12.24	+ 4	35.35	− 5
20	47.92	+ 7	52.71	+ 2	29.88	+26	46.35	+ 1	12.41	+ 6	35.11	− 4
21	48.22	+ 6	52.70	+ 4	30.96	+22	46.29	+ 3	12.59	+ 6	34.87	− 1
22	48.53	+ 4	52.70	+ 5	32.05	+15	46.23	+ 5	12.77	+ 6	34.63	+ 1
23	48.84	+ 1	52.70	+ 6	33.15	+ 6	46.18	+ 5	12.95	+ 4	34.40	+ 4
24	49.14	− 1	52.71	+ 5	34.25	− 5	46.13	+ 5	13.14	+ 2	34.17	+ 5
25	49.45	− 4	52.73	+ 3	35.35	−14	46.09	+ 4	13.32	− 1	33.95	+ 6
26	49.76	− 6	52.75	+ 1	36.46	−23	46.05	+ 2	13.51	− 4	33.72	+ 5
27	50.06	− 8	52.78	− 2	37.57	−28	46.02	− 1	13.71	− 7	33.51	+ 4
28	50.37	− 8	52.81	− 6	38.69	−28	46.00	− 5	13.92	− 9	33.29	+ 1
29	50.68	− 7	52.85	− 8	39.81	−24	45.98	− 7	14.12	− 9	33.08	− 2
30	50.99	− 4	52.89	−10	40.94	−15	45.97	− 9	14.33	− 9	32.87	− 5
Juli 1	51.30	0	52.94	−10	42.07	− 2	45.96	−10	14.54	− 6	32.67	− 8
2	51.61	+ 3	53.00	− 8	43.20	+10	45.96	− 8	14.75	− 3	32.46	− 9
3	51.91	+ 6	53.06	− 5	44.33	+21	45.96	− 5	14.97	+ 1	32.27	− 8
4	52.22	+ 7	53.12	0	45.46	+26	45.97	− 1	15.19	+ 5	32.07	− 5
sec δ, tg δ	85° 49′ 50″	13.754	+13.718		88° 52′ 40″	51.059	+51.049		85° 20′ 30″	12.313	+12.273	
	60	13.763	+13.727		50	51.186	+51.176		40	12.321	+12.280	

Tag	51 Hev. Cephei 5^m.2				1 Hev. Draconis 4^m.3				ε Ursae minoris 4^m.2			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	7^h 3^m	in ^{s} 0.01	+87° 10′	in ″ 0.01	9^h 25^m	in ^{s} 0.01	+81° 40′	in ″ 0.01	16^h 54^m	in ^{s} 0.01	+82° 10′	in ″ 0.01
Mai 28	51.56	+8	33.28	+1	55.61	+3	43.55	−2	5.86	−1	13.59	−5
29	51.36	+6	33.01	+4	55.49	+3	43.44	+1	5.86	0	13.92	−6
30	51.17	+3	32.74	+6	55.37	+2	43.32	+4	5.85	+1	14.25	−6
31	50.99	−2	32.46	+7	55.25	+1	43.19	+7	5.86	+2	14.58	−5
Juni 1	50.81	−6	32.19	+8	55.13	0	43.06	+9	5.85	+3	14.90	−3
2	50.64	−11	31.90	+6	55.02	−2	42.93	+9	5.83	+3	15.23	0
3	50.48	−13	31.62	+4	54.90	−4	42.79	+8	5.82	+3	15.55	+3
4	50.32	−14	31.34	0	54.79	−5	42.64	+5	5.80	+2	15.88	+6
5	50.17	−12	31.05	−3	54.67	−5	42.49	+2	5.78	+1	16.20	+7
6	50.03	−8	30.76	−6	54.56	−4	42.34	−2	5.76	0	16.53	+8
7	49.89	−2	30.48	−8	54.45	−2	42.18	−6	5.74	−2	16.85	+6
8	49.76	+5	30.18	−7	54.34	0	42.01	−8	5.71	−2	17.18	+3
9	49.64	+10	29.89	−4	54.23	+3	41.84	−7	5.68	−3	17.50	−1
10	49.53	+13	29.59	−1	54.12	+4	41.66	−6	5.65	−2	17.82	−5
11	49.42	+13	29.30	+3	54.02	+5	41.48	−2	5.61	−1	18.14	−8
12	49.32	+10	29.00	+6	53.92	+5	41.30	+1	5.57	0	18.46	−9
13	49.23	+6	28.70	+7	53.82	+3	41.11	+4	5.53	+1	18.77	−7
14	49.15	0	28.39	+7	53.72	+1	40.92	+5	5.48	+2	19.09	−5
15	49.07	−4	28.09	+5	53.62	0	40.72	+5	5.44	+2	19.40	−1
16	49.00	−7	27.78	+2	53.52	−2	40.52	+4	5.39	+1	19.71	+2
17	48.94	−7	27.47	−2	53.43	−3	40.31	+1	5.33	+1	20.02	+5
18	48.89	−6	27.16	−5	53.34	−3	40.10	−2	5.28	0	20.33	+6
19	48.84	−3	26.85	−7	53.25	−2	39.89	−4	5.22	−1	20.63	+7
20	48.80	+1	26.54	−7	53.16	−1	39.67	−6	5.16	−2	20.94	+5
21	48.77	+4	26.22	−7	53.07	0	39.45	−7	5.10	−2	21.24	+4
22	48.75	+7	25.91	−5	52.99	+1	39.22	−7	5.04	−2	21.54	+1
23	48.73	+8	25.59	−3	52.91	+2	38.99	−5	4.97	−2	21.83	−1
24	48.73	+8	25.27	0	52.83	+3	38.76	−3	4.90	−1	22.13	−4
25	48.73	+7	24.96	+3	52.75	+3	38.52	0	4.83	0	22.42	−5
26	48.73	+4	24.64	+5	52.67	+3	38.28	+3	4.75	+1	22.71	−6
27	48.75	0	24.32	+7	52.59	+1	38.04	+6	4.67	+2	23.00	−6
28	48.77	−5	24.01	+8	52.52	0	37.79	+8	4.59	+3	23.28	−4
29	48.80	−9	23.69	+7	52.45	−2	37.54	+9	4.51	+3	23.56	−1
30	48.84	−13	23.37	+5	52.38	−3	37.28	+9	4.42	+3	23.84	+2
Juli 1	48.88	−15	23.05	+2	52.31	−5	37.03	+7	4.33	+3	24.12	+5
2	48.93	−14	22.73	−2	52.25	−5	36.76	+4	4.24	+2	24.39	+7
3	48.99	−11	22.41	−5	52.18	−5	36.50	0	4.15	0	24.66	+8
4	49.06	−5	22.09	−7	52.12	−3	36.23	−4	4.05	−1	24.92	+7
sec δ, tg δ	87° 10′ 20″		20.270	+20.245	81° 40′ 40″		6.909	+6.836	82° 10′ 10″		7.340	+7.271
		30	20.290	+20.265		50	6.911	+6.839		20	7.342	+7.274

Tag	δ Ursae minoris $4^m.3$				λ Ursae minoris $6^m.8$				76 Draconis $6^m.0$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$17^h 57^m$	in s 0.01	+86° 36′	in ″ 0.01	$18^h 58^m$	in s 0.01	+89° 1′	in ″ 0.01	$20^h 48^m$	in s 0.01	+82° 14′	in ″ 0.01
Mai 28	s 54.12	−4	″ 52.46	−4	s 23.80	−18	″ 22.53	−3	s 29.01	−2	″ 19.31	0
29	54.20	−2	52.77	−6	24.38	−11	22.81	−5	29.14	−2	19.51	−3
30	54.28	+1	53.09	−7	24.93	−2	23.09	−7	29.28	−2	19.71	−6
31	54.35	+4	53.41	−7	25.46	+9	23.38	−8	29.41	−1	19.92	−8
Juni 1	54.42	+7	53.73	−5	25.98	+21	23.66	−7	29.55	0	20.13	−9
2	54.48	+9	54.04	−3	26.47	+30	23.95	−5	29.68	+1	20.35	−8
3	54.53	+9	54.36	0	26.95	+35	24.25	−2	29.81	+2	20.57	−6
4	54.58	+8	54.69	+4	27.40	+34	24.54	+2	29.93	+3	20.79	−2
5	54.62	+5	55.01	+7	27.83	+26	24.84	+5	30.06	+3	21.02	+2
6	54.65	+1	55.33	+8	28.24	+12	25.14	+7	30.18	+3	21.25	+5
7	54.68	−3	55.66	+7	28.63	−4	25.45	+8	30.30	+2	21.49	+7
8	54.70	−6	55.98	+4	29.00	−19	25.75	+6	30.42	0	21.73	+8
9	54.71	−8	56.31	+1	29.35	−30	26.06	+3	30.54	−2	21.98	+6
10	54.70	−8	56.63	−3	29.68	−34	26.37	−1	30.65	−3	22.23	+3
11	54.70	−6	56.96	−6	29.98	−31	26.68	−4	30.77	−4	22.49	0
12	54.70	−4	57.28	−8	30.26	−23	26.99	−7	30.88	−3	22.75	−4
13	54.69	0	57.61	−8	30.52	−8	27.30	−7	30.99	−2	23.01	−6
14	54.67	+3	57.93	−6	30.76	+4	27.62	−6	31.09	−1	23.28	−6
15	54.64	+4	58.25	−2	30.98	+14	27.94	−3	31.20	0	23.55	−5
16	54.61	+5	58.58	+1	31.17	+18	28.26	0	31.30	+1	23.83	−2
17	54.58	+4	58.90	+4	31.35	+17	28.58	+3	31.40	+2	24.10	+1
18	54.54	+1	59.23	+6	31.50	+12	28.90	+6	31.50	+2	24.39	+4
19	54.50	−1	59.55	+7	31.63	+3	29.22	+7	31.60	+2	24.67	+6
20	54.45	−3	59.87	+7	31.74	−6	29.54	+7	31.70	+1	24.96	+7
21	54.39	−5	60.20	+5	31.82	−13	29.87	+6	31.79	+1	25.25	+7
22	54.32	−6	60.52	+2	31.89	−19	30.19	+4	31.88	0	25.55	+6
23	54.24	−6	60.84	0	31.93	−21	30.52	+1	31.96	−1	25.85	+4
24	54.16	−5	61.16	−3	31.95	−20	30.84	−1	32.05	−2	26.15	+1
25	54.07	−3	61.48	−5	31.95	−14	31.17	−4	32.13	−2	26.46	−2
26	53.98	0	61.80	−6	31.93	−6	31.49	−6	32.21	−2	26.76	−5
27	53.88	+3	62.12	−7	31.88	+6	31.82	−7	32.29	−2	27.07	−7
28	53.77	+6	62.43	−6	31.82	+18	32.15	−7	32.36	−1	27.38	−9
29	53.65	+8	62.75	−4	31.73	+28	32.48	−6	32.43	+1	27.70	−9
30	53.53	+10	63.06	−1	31.62	+36	32.80	−3	32.50	+2	28.02	−7
Juli 1	53.40	+9	63.38	+3	31.48	+38	33.13	0	32.57	+3	28.34	−4
2	53.27	+7	63.69	+5	31.33	+33	33.46	+3	32.64	+3	28.67	−1
3	53.13	+4	64.00	+7	31.15	+21	33.79	+6	32.70	+3	29.00	+3
4	52.99	0	64.30	+8	30.95	+6	34.12	+7	32.76	+2	29.33	+6

sec δ, tg δ								
	86° 36′ 50″	16.931	+16.901	89° 1′ 20″	58.601	+58.592	82° 14′ 20″	7.405	+7.337
	60	16.945	+16.915	30	58.768	+58.759	30	7.408	+7.340

Tag	43 Hev. Cephei 4ᵐ.3				α Ursae minoris 2ᵐ.0				Gr. 750 6ᵐ.8			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$0^h 57^m$	in ^{s} 0.01	+85° 49′	in ″ 0.01	$1^h 32^m$	in ^{s} 0.01	+88° 52′	in ″ 0.01	$4^h 11^m$	in ^{s} 0.01	+85° 20′	in ″ 0.01
Juli 4	^{s} 52.22	+7	″ 53.12	0	^{s} 45.46	+26	″ 45.97	−1	^{s} 15.19	+5	″ 32.07	−5
5	52.53	+7	53.19	+4	46.60	+24	45.98	+3	15.42	+7	31.88	−1
6	52.84	+4	53.27	+7	47.73	+16	46.00	+7	15.64	+8	31.69	+3
7	53.14	+1	53.35	+9	48.87	+4	46.03	+9	15.88	+6	31.51	+7
8	53.45	−2	53.43	+8	50.01	−8	46.06	+9	16.11	+4	31.33	+9
9	53.76	−5	53.52	+6	51.15	−18	46.09	+7	16.35	0	31.16	+9
10	54.06	−7	53.62	+3	52.29	−23	46.13	+4	16.59	−2	30.99	+7
11	54.36	−6	53.72	0	53.42	−21	46.18	0	16.83	−4	30.82	+4
12	54.67	−4	53.83	−3	54.56	−14	46.23	−2	17.07	−4	30.66	0
13	54.97	−1	53.95	−4	55.70	−3	46.29	−4	17.32	−3	30.50	−3
14	55.27	+2	54.06	−4	56.84	+8	46.35	−5	17.57	−1	30.35	−5
15	55.57	+5	54.19	−3	57.97	+19	46.42	−4	17.82	+2	30.20	−6
16	55.87	+7	54.32	−1	59.11	+24	46.49	−2	18.08	+4	30.06	−6
17	56.16	+7	54.45	+2	60.24	+26	46.57	+1	18.34	+6	29.92	−4
18	56.46	+7	54.59	+4	61.38	+24	46.65	+3	18.60	+7	29.78	−2
19	56.76	+5	54.73	+5	62.51	+18	46.74	+5	18.86	+6	29.65	+1
20	57.05	+2	54.88	+6	63.64	+10	46.83	+6	19.13	+5	29.52	+3
21	57.34	0	55.04	+6	64.77	−1	46.93	+6	19.40	+3	29.40	+5
22	57.63	−3	55.20	+5	65.90	−11	47.04	+5	19.67	+1	29.28	+6
23	57.92	−5	55.36	+2	67.02	−19	47.15	+3	19.94	−2	29.17	+6
24	58.21	−7	55.53	−1	68.14	−26	47.27	0	20.21	−5	29.06	+5
25	58.50	−8	55.71	−4	69.26	−29	47.39	−3	20.48	−8	28.95	+2
26	58.78	−7	55.89	−7	70.37	−27	47.52	−6	20.76	−9	28.85	0
27	59.06	−5	56.07	−10	71.48	−20	47.65	−9	21.04	−9	28.75	−4
28	59.34	−2	56.26	−11	72.58	−8	47.78	−10	21.32	−8	28.66	−7
29	59.62	+1	56.45	−10	73.68	+4	47.92	−10	21.61	−5	28.57	−9
30	59.89	+5	56.65	−7	74.77	+16	48.07	−8	21.89	−1	28.49	−9
31	60.17	+7	56.86	−3	75.86	+23	48.22	−4	22.18	+3	28.42	−7
Aug. 1	60.44	+7	57.06	+2	76.94	+24	48.37	+1	22.47	+5	28.34	−4
2	60.71	+5	57.28	+5	78.02	+19	48.53	+5	22.76	+7	28.28	+1
3	60.98	+2	57.49	+8	79.09	+8	48.70	+8	23.05	+6	28.21	+5
4	61.24	−1	57.71	+8	80.16	−4	48.87	+9	23.34	+4	28.15	+8
5	61.51	−4	57.94	+7	81.22	−15	49.05	+8	23.63	+2	28.10	+9
6	61.77	−6	58.17	+4	82.28	−22	49.23	+5	23.93	−1	28.05	+8
7	62.03	−6	58.40	+1	83.33	−23	49.41	+2	24.22	−4	28.00	+5
8	62.29	−5	58.64	−2	84.37	−18	49.60	−1	24.52	−4	27.96	+2
9	62.54	−2	58.88	−4	85.41	−8	49.79	−3	24.81	−3	27.93	−2
10	62.79	+1	59.13	−4	86.43	+5	49.99	−4	25.11	−2	27.90	−4
sec δ, tg δ	85°49′50″	13.754	+13.718		88°52′40″	51.059	+51.049		85°20′20″	12.306	+12.265	
	60	13.763	+13.727		50	51.186	+51.176		30	12.313	+12.273	

Tag	51 Hev. Cephei 5ᵐ.2				1 Hev. Draconis 4ᵐ.3				ε Ursae minoris 4ᵐ.2			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$7^h\ 3^m$	in ˢ 0.01	+87° 10′	in ″ 0.01	$9^h\ 25^m$	in ˢ 0.01	+81° 40′	in ″ 0.01	$16^h\ 53^m$	in ˢ 0.01	+82° 10′	in ″ 0.01
Juli 4	ˢ 49.06	−5	″ 22.09	−7	ˢ 52.12	−3	″ 36.23	−4	ˢ 64.05	−1	″ 24.92	+7
5	49.14	+1	21.77	−7	52.06	−1	35.96	−6	63.96	−2	25.19	+5
6	49.22	+7	21.46	−6	52.00	+1	35.68	−7	63.86	−3	25.45	+1
7	49.31	+12	21.14	−3	51.95	+3	35.40	−7	63.76	−2	25.71	−4
8	{49.41 {49.51	+13 +12	20.82 20.50	+1 +4	51.89	+5	35.12	−4	63.65	−2	25.96	−7
9	49.62	+8	20.18	+7	51.84	+5	34.83	−1	63.55	−1	26.20	−8
10	49.74	+3	19.86	+7	51.79	+4	34.54	+2	63.44	0	26.45	−8
11	49.86	−2	19.54	+6	51.75	+3	34.26	+4	63.33	+1	26.69	−6
12	50.00	−5	19.23	+3	51.70	+1	33.96	+5	63.22	+2	26.93	−3
13	50.14	−7	18.91	−1	51.66	−1	33.67	+4	63.11	+2	27.17	+1
14	50.28	−6	18.60	−4	51.62	−3	33.37	+2	62.99	+1	27.40	+4
15	50.44	−3	18.28	−6	51.58	−3	33.07	−1	62.88	0	27.63	+6
16	50.60	0	17.97	−7	51.55	−3	32.77	−4	62.76	−1	27.85	+7
17	50.77	+3	17.66	−7	51.51	−2	32.47	−6	62.64	−2	28.08	+6
18	50.95	+6	17.35	−6	51.48	0	32.16	−7	62.51	−2	28.30	+4
19	51.13	+8	17.04	−4	51.45	+1	31.85	−7	62.39	−2	28.51	+2
20	51.32	+9	16.73	−1	51.42	+2	31.54	−6	62.26	−2	28.72	−1
21	51.52	+8	16.42	+2	51.39	+3	31.23	−4	62.13	−2	28.93	−3
22	51.73	+6	16.12	+4	51.37	+3	30.91	−1	62.00	−1	29.13	−5
23	51.94	+2	15.82	+6	51.35	+3	30.60	+2	61.87	0	29.33	−6
24	52.15	−3	15.52	+7	51.33	+2	30.28	+5	61.73	+1	29.52	−6
25	52.38	−8	15.22	+7	51.32	+1	29.96	+7	61.60	+2	29.71	−5
26	52.61	−12	14.92	+6	51.31	−1	29.64	+9	61.46	+3	29.89	−3
27	52.85	−15	14.63	+3	51.30	−3	29.31	+9	61.32	+3	30.07	0
28	53.09	−15	14.33	0	51.29	−4	28.99	+8	61.17	+3	30.25	+4
29	53.34	−13	14.04	−4	51.28	−5	28.66	+6	61.03	+2	30.42	+7
30	53.60	−9	13.75	−6	51.28	−5	28.33	+2	60.88	+1	30.59	+8
31	53.86	−3	13.46	−7	51.28	−4	28.00	−2	60.73	0	30.75	+8
Aug. 1	54.13	+4	13.17	−6	51.28	−2	27.67	−5	60.59	−2	30.91	+6
2	54.41	+9	12.89	−4	51.28	0	27.34	−7	60.44	−2	31.06	+3
3	54.69	+12	12.60	0	51.29	+2	27.00	−7	60.28	−2	31.21	−1
4	54.97	+12	12.32	+3	51.29	+4	26.67	−5	60.13	−2	31.35	−5
5	55.27	+9	12.04	+6	51.30	+5	26.33	−2	59.98	−1	31.49	−8
6	55.57	+5	11.77	+7	51.31	+5	26.00	+1	59.82	0	31.63	−8
7	55.87	0	11.49	+7	51.33	+3	25.66	+4	59.67	+1	31.76	−7
8	56.18	−4	11.22	+4	51.34	+1	25.32	+5	59.51	+1	31.89	−5
9	56.50	−6	10.95	+1	51.36	0	24.98	+5	59.35	+2	32.01	−1
10	56.82	−6	10.68	−3	51.38	−2	24.64	+3	59.19	+1	32.13	+3
sec δ, tg δ	87° 10′ 10″ 20	20.250 20.270	+20.225 +20.245		81° 40′ 30″ 40	6.907 6.909	+6.834 +6.836		82° 10′ 20″ 30	7.342 7.345	+7.274 +7.277	

Tag	δ Ursae minoris $4^m.3$				λ Ursae minoris $6^m.8$				76 Draconis $6^m.0$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$17^h 57^m$ s	in s 0.01	+86° 37′ ″	in ″ 0.01	$18^h 58^m$ s	in s 0.01	+89° 1′ ″	in ″ 0.01	$20^h 48^m$ s	in s 0.01	+82° 14′ ″	in ″ 0.01
Juli 4	52.99	− 0	4.30	+ 8	30.95	+ 6	34.12	+ 7	32.76	+ 2	29.33	+ 6
5	52.84	− 4	4.61	+ 6	30.73	−11	34.44	+ 7	32.82	+ 1	29.66	+ 7
6	52.68	− 7	4.91	+ 3	30.49	−24	34.77	+ 4	32.87	− 1	29.99	+ 7
7	52.52	− 8	5.21	− 1	30.22	−32	35.10	+ 1	32.92	− 2	30.32	+ 4
8	52.35	− 7	5.51	− 5	29.94	−33	35.43	− 3	32.97	− 3	30.66	+ 1
9	52.18	− 5	5.81	− 7	29.63	−26	35.75	− 6	33.02	− 4	31.00	− 2
10	52.00	− 2	6.11	− 8	29.30	−15	36.07	− 7	33.07	− 3	31.34	− 5
11	51.81	+ 1	6.40	− 7	28.95	− 3	36.40	− 7	33.11	− 2	31.69	− 6
12	51.62	+ 3	6.69	− 4	28.57	+ 7	36.72	− 5	33.15	0	32.03	− 5
13	51.42	+ 4	6.98	0	28.18	+15	37.04	− 1	33.19	+ 1	32.37	− 3
14	51.22	+ 4	7.27	+ 3	27.77	+16	37.36	+ 2	33.22	+ 2	32.72	0
15	51.01	+ 2	7.55	+ 6	27.33	+13	37.68	+ 5	33.26	+ 2	33.07	+ 3
16	50.80	0	7.83	+ 7	26.88	+ 5	37.99	+ 7	33.29	+ 2	33.42	+ 6
17	50.58	− 3	8.11	+ 7	26.40	− 4	38.31	+ 7	33.31	+ 2	33.77	+ 7
18	50.36	− 5	8.39	+ 6	25.91	−12	38.62	+ 7	33.34	+ 1	34.12	+ 7
19	50.13	− 6	8.66	+ 3	25.39	−19	38.94	+ 5	33.36	0	34.47	+ 7
20	49.90	− 6	8.93	+ 1	24.85	−22	39.25	+ 2	33.38	− 1	34.83	+ 5
21	49.66	− 5	9.20	− 2	24.29	−22	39.56	0	33.40	− 2	35.18	+ 2
22	49.41	− 4	9.46	− 4	23.72	−18	39.88	− 3	33.41	− 2	35.54	− 1
23	49.16	− 1	9.72	− 6	23.12	−10	40.19	− 5	33.42	− 2	35.89	− 4
24	48.91	+ 2	9.98	− 7	22.50	0	40.50	− 7	33.43	− 2	36.25	− 6
25	48.65	+ 5	10.24	− 7	21.86	+12	40.80	− 8	33.43	− 1	36.61	− 8
26	48.38	+ 8	10.49	− 5	21.21	+24	41.10	− 7	33.44	0	36.97	− 9
27	48.11	+10	10.75	− 2	20.53	+34	41.40	− 5	33.44	+ 1	37.32	− 8
28	47.84	+10	10.99	+ 1	19.84	+39	41.70	− 2	33.44	+ 3	37.68	− 6
29	47.56	+ 9	11.24	+ 4	19.12	+37	42.00	+ 2	33.43	+ 3	38.04	− 2
30	47.28	+ 6	11.48	+ 7	18.38	+29	42.29	+ 5	33.42	+ 4	38.40	+ 1
31	46.99	+ 2	11.72	+ 8	17.63	+16	42.59	+ 7	33.41	+ 3	38.75	+ 5
Aug. 1	46.69	− 2	11.95	+ 7	16.86	− 1	42.88	+ 7	33.40	+ 2	39.11	+ 7
2	46.40	− 5	12.18	+ 4	16.07	−16	43.16	+ 5	33.39	0	39.47	+ 7
3	46.09	− 7	12.40	0	15.26	−27	43.45	+ 2	33.37	− 2	39.83	+ 5
4	45.79	− 7	12.63	− 4	14.43	−31	43.73	− 2	33.35	− 3	40.18	+ 2
5	45.48	− 6	12.84	− 6	13.59	−28	44.02	− 5	33.33	− 4	40.54	− 1
6	45.16	− 3	13.06	− 8	12.73	−19	44.30	− 7	33.30	− 3	40.90	− 4
7	44.84	0	13.27	− 7	11.85	− 7	44.57	− 7	33.27	− 2	41.26	− 6
8	44.52	+ 2	13.48	− 5	10.95	+ 4	44.85	− 6	33.24	− 1	41.62	− 6
9	44.19	+ 4	13.69	− 2	10.04	+12	45.12	− 3	33.21	0	41.98	− 4
10	43.86	+ 4	13.89	+ 2	9.11	+15	45.38	+ 1	33.17	+ 1	42.33	− 1
sec δ, tg δ	86° 37′ 0″	16.945	+16.915		89° 1′ 30″	58.768	+58.759		82° 14′ 30″	7.408	+7.340	
	10	16.958	+16.929		40	58.936	+58.927		40	7.410	+7.343	

Tag	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	0^h58^m	in ^{s} 0.01	+85°49′	in ″ 0.01	1^h33^m	in ^{s} 0.01	+88°52′	in ″ 0.01	4^h11^m	in ^{s} 0.01	+85°20′	in ″ 0.01
	s		″		s		″		s		″	
Aug. 10	2.79	+1	59.13	−4	26.43	+5	49.99	−4	25.11	−2	27.90	−4
11	3.04	+4	59.38	−3	27.45	+15	50.19	−4	25.41	+1	27.87	−6
12	3.28	+6	59.63	−1	28.46	+23	50.39	−2	25.71	+3	27.85	−6
13	3.53	+7	59.89	+1	29.47	+27	50.60	0	26.01	+5	27.83	−5
14	3.77	+7	60.15	+4	30.46	+26	50.82	+2	26.32	+7	27.82	−3
15	4.00	+6	60.41	+5	31.45	+21	51.04	+4	26.62	+7	27.81	0
16	4.24	+4	60.68	+6	32.44	+14	51.26	+6	26.92	+6	27.81	+2
17	4.47	+1	60.95	+6	33.41	+4	51.49	+6	27.23	+4	27.81	+4
18	4.70	−2	61.23	+5	34.38	−6	51.72	+6	27.53	+2	27.82	+6
19	4.93	−4	61.51	+3	35.34	−16	51.96	+4	27.84	−1	27.83	+6
20	5.15	−6	61.79	+1	36.28	−23	52.20	+2	28.14	−4	27.84	+5
21	5.37	−7	62.08	−2	37.22	−27	52.45	−1	28.45	−7	27.86	+4
22	5.58	−7	62.37	−6	38.15	−27	52.70	−5	28.76	−9	27.89	+1
23	5.80	−6	62.66	−8	39.07	−22	52.95	−8	29.06	−9	27.92	−2
24	6.00	−3	62.96	−10	39.97	−13	53.21	−10	29.37	−9	27.96	−5
25	6.21	0	63.26	−10	40.87	−1	53.47	−10	29.68	−6	28.00	−8
26	6.41	+3	63.56	−8	41.75	+11	53.73	−9	29.98	−3	28.05	−9
27	6.61	+6	63.87	−5	42.63	+20	54.00	−6	30.29	+1	28.10	−8
28	6.81	+7	64.18	−1	43.49	+24	54.27	−2	30.60	+4	28.16	−5
29	7.00	+6	64.49	+3	44.35	+21	54.55	+2	30.90	+6	28.22	−1
30	7.19	+3	64.81	+6	45.19	+12	54.83	+6	31.21	+6	28.28	+3
31	7.37	0	65.13	+7	46.03	0	55.11	+8	31.51	+5	28.35	+6
Sept. 1	7.55	−3	65.45	+7	46.85	−12	55.40	+7	31.82	+2	28.43	+8
2	7.73	−6	65.78	+5	47.66	−21	55.69	+6	32.12	−1	28.50	+8
3	7.91	−7	66.10	+2	48.46	−24	55.98	+3	32.43	−3	28.59	+6
4	8.08	−6	66.43	−1	49.25	−21	56.28	−1	32.73	−4	28.67	+3
5	8.25	−3	66.76	−3	50.03	−13	56.58	−3	33.04	−4	28.76	0
6	8.41	0	67.10	−4	50.79	−1	56.88	−4	33.34	−3	28.86	−3
7	8.57	+3	67.44	−4	51.54	+11	57.18	−4	33.64	0	28.96	−5
8	8.72	+6	67.78	−2	52.28	+21	57.49	−3	33.95	+3	29.07	−6
9	8.87	+7	68.12	+1	53.00	+27	57.80	0	34.25	+5	29.17	−5
10	9.02	+8	68.47	+3	53.72	+28	58.12	+2	34.55	+7	29.29	−3
11	9.16	+7	68.81	+5	54.42	+24	58.44	+4	34.85	+7	29.41	−1
12	9.30	+5	69.16	+6	55.11	+17	58.76	+6	35.15	+7	29.53	+2
13	9.44	+2	69.51	+7	55.79	+8	59.09	+6	35.44	+6	29.65	+4
14	9.57	0	69.86	+6	56.45	−2	59.41	+6	35.74	+3	29.79	+5
15	9.70	−3	70.21	+5	57.10	−11	59.74	+5	36.04	+1	29.92	+6
16	9.83	−6	70.57	+2	57.73	−20	60.07	+3	36.33	−2	30.06	+6
sec δ, tg δ	85°49′60″		13.763	+13.727	88°52′50″		51.186	+51.176	85°20′20″		12.306	+12.265
	70		13.772	+13.736	60		51.313	+51.303	30		12.313	+12.273

Tag	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$7^h\ 3^m$	in ^{s} 0.01	+87° 10′	in ″ 0.01	$9^h\ 25^m$	in ^{s} 0.01	+81° 40′	in ″ 0.01	$16^h\ 53^m$	in ^{s} 0.01	+82° 10′	in ″ 0.01
Aug. 10	^{s}56.82	−6	″10.68	−3	^{s}51.38	−2	″24.64	+3	^{s}59.19	+1	″32.13	+3
11	57.15	−4	10.42	−5	51.40	−3	24.30	0	59.03	0	32.24	+5
12	57.49	−1	10.16	−7	51.43	−3	23.96	−3	58.87	−1	32.35	+6
13	57.82	+3	9.90	−7	{ 51.46 { 51.49	−2 −1	23.62 23.28	−6 −7	58.71	−2	32.45	+6
14	58.17	+6	9.65	−7	51.52	+1	22.94	−8	58.55	−2	32.55	+5
15	58.52	+8	9.40	−5	51.55	+2	22.60	−7	58.38	−2	32.64	+3
16	58.87	+9	9.15	−2	51.58	+3	22.26	−5	58.21	−2	32.73	0
17	59.23	+9	8.90	0	51.62	+3	21.92	−3	58.05	−2	32.81	−2
18	59.60	+7	8.66	+3	51.66	+3	21.58	0	57.88	−1	32.89	−4
19	59.97	+4	8.41	+6	51.70	+3	21.24	+3	57.71	0	32.96	−6
20	60.34	0	8.18	+7	51.75	+1	20.90	+6	57.54	+1	33.03	−6
21	60.72	−5	7.94	+7	51.80	0	20.56	+8	57.38	+2	33.10	−6
22	61.11	−10	7.71	+7	51.85	−2	20.22	+9	57.21	+3	33.16	−4
23	61.50	−13	7.48	+4	51.90	−4	19.87	+8	57.03	+3	33.21	−1
24	61.89	−15	7.26	+1	51.95	−5	19.53	+7	56.86	+3	33.26	+2
25	62.29	−14	7.04	−2	52.00	−5	19.19	+4	56.69	+3	33.30	+5
26	62.70	−11	6.82	−5	52.06	−5	18.85	0	56.51	+2	33.34	+8
27	63.11	−6	6.61	−7	52.12	−3	18.51	−3	56.34	0	33.37	+8
28	63.53	0	6.40	−7	52.19	−1	18.17	−6	56.16	−1	33.40	+7
29	63.94	+6	6.19	−5	52.26	+1	17.84	−6	55.98	−2	33.42	+5
30	64.37	+10	5.99	−2	52.32	+3	17.50	−5	55.81	−2	33.44	0
31	64.79	+11	5.79	+2	52.39	+4	17.16	−2	55.63	−2	33.45	−4
Sept. 1	65.22	+9	5.59	+5	52.46	+5	16.83	+1	55.46	−1	33.46	−7
2	65.65	+6	5.40	+7	52.53	+4	16.50	+4	55.28	0	33.46	−8
3	66.09	+1	5.22	+7	52.61	+2	16.17	+5	55.10	+1	33.46	−8
4	66.53	−3	5.03	+5	52.68	0	15.84	+5	54.92	+1	33.45	−6
5	66.97	−5	4.85	+2	52.76	−1	15.51	+4	54.75	+2	33.44	−2
6	67.42	−6	4.66	−1	52.83	−2	15.18	+1	54.57	+1	33.42	+1
7	67.87	−5	4.48	−4	52.91	−3	14.85	−2	54.39	0	33.40	+4
8	68.33	−2	4.31	−7	53.00	−2	14.52	−5	54.21	0	33.37	+6
9	68.79	+2	4.15	−8	53.09	−1	14.20	−7	54.04	−1	33.34	+6
10	69.26	+5	3.98	−7	53.18	0	13.88	−8	53.86	−2	33.31	+5
11	69.72	+8	3.83	−6	53.27	+2	13.56	−8	53.69	−3	33.27	+3
12	70.19	+10	3.67	−3	53.36	+3	13.24	−6	53.51	−3	33.22	+1
13	70.66	+10	3.52	−1	53.45	+3	12.92	−4	53.33	−2	33.17	−1
14	71.13	+9	3.38	+2	53.55	+3	12.60	−1	53.15	−2	33.11	−4
15	71.61	+6	3.24	+5	53.65	+3	12.29	+2	52.98	−1	33.05	−5
16	72.09	+2	3.10	+6	53.75	+2	11.98	+5	52.80	0	32.98	−6
sec δ, tg δ	87° 10′ 0″ 10	20.230 20.250	+20.206 +20.225		81° 40′ 10″ 20	6.902 6.904	+6.829 +6.832		82° 10′ 30″ 40	7.345 7.348	+7.277 +7.279	

Tag	δ Ursae minoris $4^m.3$				λ Ursae minoris $6^m.8$				76 Draconis $6^m.0$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$17^h 57^m$	in ^{s} 0.01	+86° 37′	in ″ 0.01	$18^h 57^m$	in ^{s} 0.01	+89° 1′	in ″ 0.01	$20^h 48^m$	in ^{s} 0.01	+82° 14′	in ″ 0.01
Aug. 10	43.86	+ 4	13.89	+ 2	69.11	+15	45.38	+ 1	33.17	+ 1	42.33	— 1
11	43.52	+ 2	14.09	+ 5	68.16	+13	45.65	+ 4	33.13	+ 2	42.69	+ 2
12	43.19	0	14.28	+ 7	67.19	+ 6	45.91	+ 7	33.09	+ 2	43.05	+ 5
13	42.84	— 2	14.47	+ 7	66.21	— 2	46.17	+ 8	33.05	+ 2	43.40	+ 7
14	42.50	— 5	14.65	+ 6	65.21	—11	46.43	+ 7	33.00	+ 1	43.75	+ 8
15	42.15	— 6	14.83	+ 4	64.20	—18	46.68	+ 6	32.95	0	44.10	+ 7
16	41.80	— 7	15.01	+ 2	63.17	—23	46.93	+ 4	32.90	— 1	44.45	+ 6
17	41.44	— 6	15.18	— 1	62.13	—24	47.18	+ 1	32.85	— 2	44.80	+ 4
18	41.08	— 5	15.35	— 3	61.07	—21	47.42	— 2	32.79	— 2	45.15	+ 1
19	40.72	— 3	15.51	— 5	60.00	—15	47.66	— 4	32.73	— 2	45.50	— 2
20	40.35	0	15.67	— 7	58.91	— 6	47.90	— 6	32.67	— 2	45.84	— 5
21	39.98	+ 3	15.83	— 7	57.81	+ 6	48.13	— 7	32.61	— 1	46.19	— 7
22	39.60	+ 6	15.98	— 6	56.69	+18	48.36	— 7	32.54	0	46.53	— 9
23	39.23	+ 8	16.12	— 3	55.55	+29	48.59	— 6	32.47	+ 1	46.87	— 8
24	38.85	+10	16.27	0	54.40	+36	48.81	— 3	32.40	+ 2	47.21	— 7
25	38.47	+ 9	16.40	+ 3	53.24	+38	49.03	+ 1	32.33	+ 3	47.54	— 4
26	38.09	+ 7	16.54	+ 6	52.07	+33	49.25	+ 4	32.25	+ 3	47.88	0
27	37.70	+ 4	16.67	+ 7	50.88	+23	49.46	+ 6	32.17	+ 3	48.21	+ 3
28	37.31	0	16.79	+ 8	49.68	+ 8	49.67	+ 7	32.09	+ 2	48.54	+ 6
29	36.92	— 3	16.91	+ 6	48.47	— 8	49.87	+ 6	32.01	+ 1	48.87	+ 6
30	36.52	— 6	17.02	+ 2	47.24	—20	50.07	+ 3	31.92	— 1	49.20	+ 6
31	36.12	— 7	17.13	— 2	46.00	—27	50.27	0	31.83	— 2	49.53	+ 3
Sept. 1	35.72	— 6	17.24	— 5	44.75	—27	50.46	— 4	31.74	— 3	49.85	0
2	35.32	— 4	17.34	— 7	43.49	—20	50.65	— 6	31.65	— 3	50.17	— 3
3	34.92	— 1	17.44	— 8	42.22	—10	50.84	— 7	31.55	— 3	50.49	— 5
4	34.52	+ 2	17.53	— 6	40.93	+ 2	51.02	— 6	31.46	— 2	50.80	— 6
5	34.11	+ 4	17.62	— 3	39.64	+11	51.20	— 4	31.36	0	51.11	— 5
6	33.70	+ 4	17.70	0	38.33	+15	51.37	— 1	31.26	+ 1	51.42	— 2
7	33.29	+ 3	17.78	+ 4	37.02	+15	51.54	+ 3	31.16	+ 2	51.73	+ 1
8	32.88	+ 1	17.85	+ 6	35.69	+ 9	51.70	+ 6	31.05	+ 2	52.03	+ 4
9	32.46	— 2	17.92	+ 7	34.35	0	51.86	+ 7	30.95	+ 2	52.33	+ 7
10	32.05	— 4	17.99	+ 7	33.01	— 9	52.02	+ 8	30.84	+ 1	52.63	+ 8
11	31.64	— 6	18.05	+ 5	31.65	—17	52.17	+ 7	30.73	0	52.93	+ 8
12	31.22	— 7	18.10	+ 3	30.29	—23	52.32	+ 5	30.61	— 1	53.22	+ 7
13	30.80	— 7	18.15	0	28.92	—25	52.46	+ 2	30.50	— 1	53.51	+ 5
14	30.38	— 6	18.20	— 2	27.54	—24	52.60	— 1	30.38	— 2	53.80	+ 2
15	29.96	— 4	18.24	— 4	26.15	—19	52.74	— 3	30.26	— 2	54.08	— 1
16	29.54	— 1	18.27	— 6	24.75	—11	52.87	— 6	30.14	— 2	54.36	— 4
sec δ, tg δ	86° 37′ 10″	16.958	+16.929		89° 1′ 40″	58.936	+58.927		82° 14′ 40″	7.410	+7.343	
	20	16.972	+16.943		50	59.104	+59.096		50	7.413	+7.345	

Tag	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$0^h 58^m$	in ^{s} 0.01	+85° 50′	in ″ 0.01	$1^h 33^m$	in ^{s} 0.01	+88° 53′	in ″ 0.01	$4^h 11^m$	in ^{s} 0.01	+85° 20′	in ″ 0.01
Sept. 16	9.83	−6	10.57	+2	57.73	−20	0.07	+3	36.33	−2	30.06	+6
17	9.95	−7	10.93	−1	58.35	−25	0.40	0	36.62	−5	30.20	+5
18	10.07	−7	11.29	−4	58.95	−27	0.74	−3	36.92	−7	30.35	+2
19	10.18	−6	11.65	−7	59.54	−24	1.08	−6	37.20	−9	30.51	−1
20	10.29	−4	12.01	−9	60.12	−16	1.42	−9	37.49	−9	30.66	−4
21	10.39	−1	12.38	−10	60.68	−6	1.76	−10	37.78	−7	30.83	−7
22	10.49	+2	12.74	−9	61.23	+7	2.11	−9	38.06	−4	30.99	−9
23	10.59	+5	13.11	−6	61.76	+18	2.45	−7	38.34	−1	31.16	−9
24	10.68	+7	13.47	−2	62.28	+23	2.80	−3	38.63	+3	31.34	−7
25	10.77	+6	13.84	+2	62.78	+23	3.16	+1	38.90	+5	31.52	−3
26	10.85	+4	14.21	+5	63.27	+16	3.51	+5	39.18	+6	31.70	+1
27	10.93	+1	14.58	+7	63.74	+5	3.86	+7	39.46	+5	31.89	+5
28	11.00	−2	14.96	+7	64.20	−8	4.22	+7	39.73	+3	32.08	+7
29	11.07	−5	15.33	+5	64.64	−18	4.58	+6	40.00	0	32.28	+8
30	11.14	−7	15.70	+2	65.07	−24	4.94	+3	40.27	−3	32.48	+7
Okt. 1	11.20	−7	16.08	−1	65.48	−24	5.30	0	40.54	−5	32.68	+4
2	11.26	−5	16.45	−3	65.87	−18	5.67	−3	40.80	−5	32.89	+1
3	11.31	−2	16.82	−5	66.25	−7	6.03	−4	41.07	−4	33.10	−3
4	11.36	+2	17.20	−4	66.61	+6	6.40	−5	41.33	−2	33.31	−5
5	11.40	+5	17.57	−3	66.96	+17	6.76	−4	41.59	+1	33.53	−6
6	11.44	+7	17.95	−1	67.29	+25	7.13	−2	41.85	+4	33.75	−6
7	11.47	+8	18.32	+2	67.60	+28	7.50	+1	42.11	+6	33.98	−4
8	11.50	+7	18.70	+4	67.90	+26	7.87	+3	42.36	+7	34.20	−2
9	11.52	+6	19.07	+6	68.18	+20	8.24	+5	42.61	+7	34.44	+1
10	11.54	+3	19.45	+7	68.45	+13	8.61	+6	42.85	+6	34.67	+3
11	11.56	0	19.82	+7	68.70	+3	8.98	+7	43.10	+4	34.91	+5
12	11.57	−2	20.20	+5	68.93	−7	9.35	+6	43.34	+2	35.15	+6
13	11.58	−5	20.57	+3	69.15	−16	9.73	+4	43.58	−1	35.40	+6
14	11.58	−6	20.95	+1	69.34	−23	10.10	+2	43.82	−4	35.65	+5
15	11.58	−7	21.32	−2	69.52	−26	10.48	−1	44.05	−6	35.90	+3
16	11.57	−7	21.70	−5	69.68	−26	10.85	−5	44.28	−8	36.16	+1
17	11.56	−5	22.07	−8	69.83	−19	11.22	−7	44.51	−8	36.42	−3
18	11.54	−2	22.44	−9	69.95	−9	11.60	−9	44.73	−7	36.69	−6
19	11.52	+1	22.82	−9	70.06	+3	11.97	−9	44.96	−5	36.95	−8
20	11.49	+4	23.19	−7	70.16	+14	12.35	−7	45.17	−2	37.22	−9
21	11.46	+6	23.56	−3	70.23	+22	12.72	−4	45.39	+2	37.50	−7
22	11.43	+7	23.92	0	70.29	+25	13.09	−1	45.60	+5	37.77	−5
23	11.39	+6	24.29	+4	70.33	+20	13.47	+3	45.81	+6	38.05	−1
sec δ, tg δ	85° 50′ 10″		13.772	+13.736	88° 53′ 0″		51.313	+51.303	85° 20′ 30″		12.313	+12.273
	20		13.781	+13.745	10		51.441	+51.431	40		12.321	+12.280

Tag	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$7^h\ 4^m$	in 0.01 s	+87° 10′	in 0.01″	$9^h\ 25^m$	in 0.01 s	+81° 40′	in 0.01″	$16^h\ 53^m$	in 0.01 s	+82° 10′	in 0.01″
Sept. 16	s 12.09	+ 2	″ 3.10	+ 6	s 53.75	+ 2	″ 11.98	+ 5	s 52.80	0	″ 32.98	− 6
17	12.57	− 2	2.97	+ 7	53.85	+ 1	11.67	+ 7	52.62	+ 1	32.91	− 6
18	13.06	− 7	2.84	+ 7	53.95	− 1	11.36	+ 8	52.44	+ 2	32.83	− 5
19	13.55	−11	2.72	+ 5	54.06	− 3	11.06	+ 9	52.27	+ 3	32.75	− 3
20	14.04	−14	2.60	+ 3	54.17	− 4	10.76	+ 7	52.09	+ 3	32.66	+ 1
21	14.53	−14	2.48	− 1	54.28	− 5	10.46	+ 5	51.92	+ 3	32.57	+ 4
22	15.03	−12	2.37	− 4	54.39	− 5	10.16	+ 1	51.74	+ 2	32.47	+ 7
23	15.52	− 8	2.26	− 6	54.50	− 4	9.87	− 2	51.57	+ 1	32.37	+ 8
24	16.02	− 2	2.16	− 7	54.61	− 2	9.57	− 5	51.39	0	32.26	+ 8
25	16.52	+ 4	2.06	− 6	54.73	0	9.29	− 6	51.22	− 2	32.15	+ 6
26	17.02	+ 8	1.97	− 3	54.85	+ 2	9.00	− 6	51.04	− 2	32.03	+ 2
27	17.52	+10	1.88	+ 1	54.97	+ 4	8.72	− 3	50.87	− 2	31.91	− 2
28	18.03	+10	1.80	+ 4	55.09	+ 4	8.43	0	50.70	− 1	31.78	− 5
29	18.54	+ 7	1.72	+ 7	55.21	+ 4	8.16	+ 3	50.53	0	31.65	− 8
30	19.04	+ 2	1.65	+ 7	55.34	+ 2	7.88	+ 5	50.36	+ 1	31.52	− 8
Okt. 1	19.55	− 2	1.58	+ 7	55.46	+ 1	7.61	+ 6	50.19	+ 1	31.38	− 6
2	20.06	− 6	1.51	+ 4	55.59	− 1	7.34	+ 5	50.03	+ 2	31.23	− 4
3	20.57	− 7	1.45	0	55.72	− 2	7.07	+ 3	49.86	+ 2	31.08	0
4	21.08	− 6	1.39	− 3	55.85	− 3	6.80	0	49.70	+ 1	30.92	+ 3
5	21.60	− 3	1.34	− 6	55.98	− 3	6.54	− 3	49.53	0	30.76	+ 6
6	22.11	0	1.29	− 7	56.12	− 2	6.28	− 6	49.37	− 1	30.59	+ 6
7	22.63	+ 4	1.25	− 7	56.26	0	6.03	− 8	49.21	− 2	30.42	+ 6
8	23.15	+ 7	1.21	− 7	56.40	+ 1	5.78	− 8	49.05	− 2	30.25	+ 4
9	23.66	+ 9	1.18	− 4	56.54	+ 2	5.53	− 7	48.89	− 3	30.07	+ 2
10	24.18	+10	1.15	− 2	56.68	+ 3	5.29	− 5	48.73	− 2	29.89	− 1
11	24.70	+ 9	1.13	+ 1	56.82	+ 3	5.05	− 3	48.58	− 2	29.70	− 3
12	25.22	+ 7	1.11	+ 4	56.96	+ 3	4.81	0	48.42	− 1	29.50	− 5
13	25.73	+ 4	1.10	+ 6	57.11	+ 3	4.57	+ 3	48.27	0	29.31	− 6
14	26.25	0	1.09	+ 7	57.26	+ 1	4.34	+ 6	48.11	+ 1	29.10	− 6
15	26.76	− 5	1.09	+ 7	57.40	0	4.12	+ 8	47.96	+ 2	28.89	− 5
16	27.28	− 9	1.09	+ 6	57.55	− 2	3.90	+ 8	47.81	+ 3	28.68	− 4
17	27.79	−12	1.10	+ 4	57.70	− 4	3.68	+ 8	47.66	+ 3	28.46	− 1
18	28.31	−14	1.11	+ 1	57.85	− 5	3.47	+ 5	47.51	+ 3	28.24	+ 2
19	28.82	−13	1.13	− 3	58.00	− 5	3.26	+ 2	47.37	+ 2	28.02	+ 6
20	29.33	− 9	1.15	− 6	58.16	− 4	3.06	− 1	47.22	+ 1	27.79	+ 8
21	29.84	− 4	1.18	− 7	58.31	− 3	2.86	− 4	47.08	0	27.56	+ 8
22	30.35	+ 2	1.21	− 7	58.47	− 1	2.66	− 6	46.94	− 1	27.33	+ 7
23	30.86	+ 7	1.24	− 5	58.62	+ 1	2.47	− 6	46.80	− 2	27.09	+ 4
sec δ, tg δ	87° 10′ 0″		20.230	+20.206	81° 40′ 0″		6.900	+6.827	82° 10′ 30″		7.345	+7.277
	10		20.250	+20.225	10		6.902	+6.829	40		7.348	+7.279

Tag	δ Ursae minoris $4^m.3$				λ Ursae minoris $6^m.8$				76 Draconis $6^m.0$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$17^h 57^m$	in 0.01 s	+86° 37′	in 0.01″	$18^h 56^m$	in 0.01 s	+89° 1′	in 0.01″	$20^h 48^m$	in 0.01 s	+82° 14′	in 0.01″
Sept. 16	29.54	−1	18.27	−6	84.75	−11	52.87	−6	30.14	−2	54.36	−4
17	29.12	+2	18.30	−7	83.35	−1	53.00	−7	30.02	−2	54.64	−6
18	28.69	+5	18.33	−6	81.94	+11	53.12	−7	29.90	−1	54.91	−8
19	28.27	+7	18.35	−5	80.52	+23	53.24	−6	29.77	0	55.18	−8
20	27.84	+9	18.36	−2	79.10	+32	53.35	−4	29.64	+1	55.45	−7
21	27.42	+9	18.37	+2	77.67	+36	53.46	−1	29.51	+3	55.71	−5
22	26.99	+8	18.38	+5	76.23	+34	53.56	+3	29.38	+3	55.97	−2
23	26.57	+5	18.38	+7	74.79	+26	53.66	+6	29.25	+4	56.22	+2
24	26.14	+2	18.37	+8	73.34	+14	53.75	+7	29.12	+3	56.48	+5
25	25.72	−2	18.36	+7	71.89	−1	53.84	+7	28.98	+2	56.72	+6
26	25.29	−5	18.35	+4	70.43	−15	53.92	+5	28.84	0	56.97	+6
27	24.87	−6	18.33	0	68.96	−24	54.00	+1	28.70	−2	57.21	+4
28	24.44	−6	18.31	−4	67.49	−26	54.07	−2	28.56	−3	57.45	+1
29	24.02	−4	18.28	−7	66.02	−22	54.14	−6	28.41	−3	57.68	−3
30	23.59	−1	18.24	−8	64.54	−12	54.20	−7	28.27	−3	57.91	−5
Okt. 1	23.17	+2	18.20	−7	63.06	0	54.26	−7	28.13	−2	58.13	−6
2	22.75	+4	18.16	−5	61.58	+10	54.32	−6	27.98	−1	58.35	−6
3	22.32	+5	18.11	−1	60.10	+16	54.37	−2	27.83	+1	58.57	−4
4	21.90	+4	18.05	+2	58.61	+16	54.41	+1	27.68	+2	58.78	−1
5	21.49	+2	17.99	+5	57.13	+13	54.45	+5	27.53	+2	58.99	+3
6	21.07	0	17.93	+7	55.64	+5	54.49	+7	27.38	+2	59.19	+6
7	20.65	−3	17.86	+7	54.15	−5	54.52	+8	27.23	+2	59.39	+8
8	20.23	−5	17.79	+6	52.66	−14	54.54	+7	27.07	+1	59.58	+8
9	19.81	−7	17.71	+4	51.17	−21	54.56	+6	26.92	0	59.77	+7
10	19.40	−7	17.63	+1	49.67	−25	54.58	+3	26.76	−1	59.95	+6
11	18.99	−6	17.54	−1	48.18	−25	54.59	0	26.60	−2	60.13	+3
12	18.58	−5	17.44	−4	46.69	−22	54.60	−3	26.44	−2	60.30	0
13	18.17	−3	17.35	−6	45.20	−15	54.60	−5	26.28	−2	60.47	−3
14	17.76	0	17.24	−7	43.71	−5	54.59	−7	26.12	−2	60.64	−5
15	17.35	+3	17.13	−7	42.22	+6	54.58	−7	25.96	−1	60.80	−7
16	16.95	+6	17.02	−5	40.73	+17	54.56	−7	25.79	0	60.96	−8
17	16.55	+8	16.90	−3	39.24	+27	54.54	−5	25.63	+1	61.11	−8
18	16.15	+9	16.78	0	37.76	+33	54.51	−2	25.46	+2	61.25	−6
19	15.75	+8	16.65	+4	36.28	+34	54.48	+1	25.30	+3	61.39	−3
20	15.36	+6	16.52	+6	34.80	+28	54.44	+5	25.13	+3	61.52	+1
21	14.97	+3	16.38	+8	33.33	+17	54.40	+7	24.96	+3	61.65	+4
22	14.58	−1	16.24	+7	31.86	+3	54.36	+7	24.79	+2	61.78	+6
23	14.19	−4	16.09	+5	30.39	−11	54.31	+6	24.63	+1	61.90	+7
sec δ, tg δ	86° 37′ 10″	16.958	+16.929		89° 1′ 50″	59.104	+59.096		82° 14′ 50″	7.413	+7.345	
	20	16.972	+16.943		60	59.274	+59.266		60	7.416	+7.348	

Tag	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$0^h 58^m$	in ^{s} 0.01	+85° 50′	in ″ 0.01	$1^h 33^m$	in ^{s} 0.01	+88° 53′	in ″ 0.01	$4^h 11^m$	in ^{s} 0.01	+85° 20′	in ″ 0.01
Okt. 23	11.39	+ 6	24.29	+ 4	70.33	+20	13.47	+ 3	45.81	+ 6	38.05	− 1
24	11.35	+ 3	24.65	+ 6	70.36	+11	13.84	+ 6	46.01	+ 6	38.33	+ 3
25	11.30	− 1	25.02	+ 7	70.36	− 2	14.22	+ 7	46.21	+ 4	38.61	+ 6
26	11.25	− 4	25.38	+ 6	70.35	−15	14.59	+ 7	46.41	+ 1	38.90	+ 8
27	11.19	− 6	25.74	+ 3	70.32	−23	14.96	+ 4	46.60	− 2	39.19	+ 7
28	11.13	− 7	26.10	0	70.27	−26	15.33	+ 1	46.79	− 5	39.48	+ 5
29	11.06	− 6	26.46	− 3	70.20	−22	15.71	− 2	46.98	− 5	39.78	+ 2
30	10.99	− 3	26.81	− 5	70.11	−13	16.08	− 4	47.16	− 5	40.08	− 1
31	10.92	0	27.17	− 5	70.01	0	16.45	− 5	47.34	− 3	40.38	− 4
Nov. 1	10.84	+ 3	27.52	− 4	69.89	+11	16.82	− 5	47.51	0	40.68	− 6
2	10.76	+ 6	27.87	− 2	69.75	+22	17.19	− 3	47.69	+ 3	40.98	− 6
3	10.67	+ 7	28.22	+ 1	69.59	+27	17.55	0	47.85	+ 5	41.29	− 5
4	10.58	+ 7	28.57	+ 3	69.41	+27	17.92	+ 2	48.02	+ 7	41.59	− 3
5	10.48	+ 6	28.91	+ 5	69.22	+23	18.28	+ 4	48.18	+ 7	41.90	0
6	10.38	+ 4	29.25	+ 7	69.01	+16	18.64	+ 6	48.34	+ 7	42.21	+ 2
7	10.27	+ 2	29.59	+ 7	68.78	+ 6	19.00	+ 7	48.49	+ 5	42.52	+ 4
8	10.16	− 1	29.92	+ 6	68.53	− 3	19.35	+ 6	48.63	+ 3	42.84	+ 6
9	10.04	− 4	30.25	+ 4	68.26	−13	19.71	+ 5	48.78	0	43.16	+ 6
10	9.92	− 6	30.58	+ 2	67.98	−21	20.06	+ 3	48.91	− 3	43.48	+ 6
11	9.79	− 7	30.91	− 1	67.68	−26	20.41	0	49.05	− 6	43.80	+ 4
12	9.66	− 7	31.23	− 4	67.36	−27	20.76	− 3	49.18	− 8	44.12	+ 2
13	9.53	− 6	31.56	− 7	67.02	−22	21.10	− 6	49.30	− 8	44.44	− 1
14	9.39	− 4	31.87	− 9	66.66	−13	21.45	− 8	49.42	− 8	44.77	− 4
15	9.25	0	32.19	− 9	66.29	− 3	21.80	− 9	49.54	− 6	45.10	− 7
16	9.10	+ 3	32.50	− 8	65.90	+10	22.14	− 8	49.65	− 3	45.43	− 8
17	8.95	+ 6	32.81	− 5	65.49	+20	22.48	− 5	49.76	+ 1	45.76	− 8
18	8.80	+ 7	33.11	− 1	65.07	+25	22.81	− 2	49.86	+ 4	46.09	− 6
19	8.64	+ 6	33.41	+ 3	64.62	+23	23.15	+ 2	49.96	+ 6	46.42	− 2
20	8.48	+ 4	33.71	+ 6	64.16	+16	23.48	+ 6	50.05	+ 7	46.75	+ 2
21	8.31	+ 1	34.00	+ 8	63.68	+ 4	23.81	+ 8	50.14	+ 5	47.08	+ 6
22	8.14	− 3	34.29	+ 7	63.19	− 9	24.13	+ 8	50.23	+ 3	47.42	+ 8
23	7.96	− 6	34.58	+ 5	62.67	−19	24.45	+ 6	50.31	0	47.76	+ 8
24	7.78	− 7	34.86	+ 2	62.14	−25	24.77	+ 3	50.39	− 3	48.09	+ 7
25	7.60	− 7	35.14	− 2	61.59	−24	25.08	− 1	50.46	− 5	48.43	+ 4
26	7.41	− 5	35.41	− 4	61.02	−17	25.39	− 3	50.53	− 5	48.77	0
27	7.22	− 1	35.68	− 5	60.44	− 5	25.70	− 5	50.59	− 4	49.10	− 3
28	7.02	+ 2	35.94	− 5	59.84	+ 7	26.00	− 5	50.65	− 2	49.44	− 5
29	6.83	+ 5	36.20	− 3	59.23	+18	26.30	− 4	50.70	+ 1	49.77	− 6
sec δ, tg δ	85° 50′ 30″	13.791	+13.754		88° 53′ 20″	51.569	+51.560		85° 20′ 40″	12.321	+12.280	
	40	13.800	+13.764		30	51.698	+51.689		50	12.328	+12.287	

Tag	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$7^h\ 4^m$	in 0.01^s	+87° 10′	in 0.01″	$9^h 25^m$	in 0.01^s	+81° 39′	in 0.01″	$16^h 53^m$	in 0.01^s	+82° 10′	in 0.01″
Okt. 23	30.86^s	+ 7	1.24″	− 5	58.62^s	+ 1	62.47″	− 6	46.80^s	− 2	27.09″	+ 4
24	31.37	+10	1.28	− 1	58.78	+ 3	62.28	− 5	46.67	− 2	26.85	0
25	31.87	+10	1.32	+ 2	58.94	+ 4	62.10	− 2	46.53	− 2	26.60	− 4
26	32.38	+ 8	1.37	+ 6	59.10	+ 4	61.92	+ 2	46.40	− 1	26.35	− 7
27	32.88	+ 4	1.43	+ 7	59.26	+ 3	61.75	+ 4	46.27	0	26.09	− 8
28	33.39	− 1	1.49	+ 7	59.42	+ 1	61.58	+ 6	46.14	+ 1	25.83	− 7
29	33.89	− 5	1.55	+ 5	59.58	− 1	61.42	+ 6	46.02	+ 2	25.56	− 5
30	34.39	− 7	1.62	+ 2	59.75	− 2	61.26	+ 4	45.89	+ 2	25.30	− 1
31	34.88	− 7	1.70	− 2	59.91	− 3	61.10	+ 1	45.77	+ 1	25.02	+ 2
Nov. 1	35.38	− 5	1.78	− 5	60.08	− 3	60.95	− 2	45.65	+ 1	24.75	+ 5
2	35.87	− 2	1.87	− 7	60.24	− 2	60.80	− 5	45.53	0	24.47	+ 6
3	36.36	+ 2	1.96	− 8	60.41	− 1	60.66	− 7	45.42	− 1	24.19	+ 7
4	36.85	+ 6	2.06	− 7	60.58	0	60.52	− 8	45.30	− 2	23.90	+ 5
5	37.34	+ 8	2.16	− 5	60.75	+ 2	60.39	− 7	45.19	− 3	23.61	+ 3
6	37.82	+10	2.27	− 3	60.92	+ 3	60.26	− 6	45.08	− 3	23.32	+ 1
7	38.30	+10	2.38	0	61.09	+ 3	60.14	− 4	44.97	− 2	23.02	− 2
8	38.77	+ 8	2.49	+ 3	61.26	+ 3	60.03	− 1	44.87	− 1	22.72	− 4
9	39.25	+ 5	2.61	+ 5	61.43	+ 3	59.92	+ 2	44.76	− 1	22.42	− 6
10	39.71	+ 1	2.74	+ 7	61.61	+ 2	59.81	+ 5	44.66	0	22.12	− 6
11	40.18	− 3	2.87	+ 7	61.78	0	59.71	+ 7	44.57	+ 1	21.81	− 6
12	40.64	− 8	3.00	+ 7	61.95	− 1	59.62	+ 8	44.47	+ 2	21.50	− 4
13	41.10	−11	3.14	+ 5	62.12	− 3	59.53	+ 8	44.38	+ 3	21.19	− 2
14	41.55	−13	3.29	+ 2	62.29	− 4	59.44	+ 6	44.29	+ 3	20.87	+ 1
15	42.00	−13	3.44	− 1	62.46	− 5	59.36	+ 4	44.20	+ 3	20.55	+ 4
16	42.44	−10	3.60	− 5	62.63	− 5	59.29	0	44.12	+ 2	20.23	+ 7
17	42.88	− 6	3.76	− 7	62.80	− 3	59.22	− 3	44.04	0	19.90	+ 8
18	43.32	0	3.92	− 7	62.98	− 1	59.15	− 6	43.96	− 1	19.58	+ 7
19	43.75	+ 6	4.09	− 6	63.15	+ 1	59.10	− 7	43.88	− 2	19.25	+ 5
20	44.18	+10	4.26	− 3	63.32	+ 3	59.05	− 6	43.81	− 2	18.92	+ 1
21	44.60	+11	4.44	+ 1	63.49	+ 4	59.00	− 3	43.74	− 2	18.58	− 3
22	45.02	+10	4.62	+ 4	63.67	+ 4	58.96	0	43.67	− 1	18.25	− 6
23	45.43	+ 6	4.81	+ 7	63.84	+ 4	58.93	+ 3	43.61	0	17.91	− 8
24	45.84	+ 1	5.00	+ 7	64.02	+ 2	58.90	+ 6	43.55	+ 1	17.57	− 8
25	46.25	− 3	5.19	+ 6	64.19	0	58.88	+ 6	43.49	+ 2	17.23	− 6
26	46.65	− 7	5.39	+ 3	64.36	− 2	58.86	+ 5	43.43	+ 2	16.89	− 3
27	47.04	− 8	5.59	0	64.53	− 3	58.85	+ 3	43.38	+ 2	16.54	+ 1
28	47.43	− 7	5.80	− 4	64.70	− 3	58.85	− 1	43.33	+ 1	16.20	+ 4
29	47.81	− 4	6.01	− 6	64.87	− 3	58.85	− 3	43.28	0	15.85	+ 6
sec δ, tg δ	87° 10′ 0″	20.230	+20.206		81° 39′ 50″	6.898	+6.825		82° 10′ 20″	7.342	+7.274	
	10	20.250	+20.225		60	6.900	+6.827		30	7.345	+7.277	

Tag	δ Ursae minoris $4^m.3$				λ Ursae minoris $6^m.8$				76 Draconis $6^m.0$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$17^h 57^m$	in ^{s} 0.01	+86° 37′	in ″ 0.01	$18^h 55^m$	in ^{s} 0.01	+89° 1′	in ″ 0.01	$20^h 48^m$	in ^{s} 0.01	+82° 15′	in ″ 0.01
Okt. 23	^{s}14.19	−4	″16.09	+5	^{s}90.39	−11	″54.31	+6	^{s}24.63	+1	″1.90	+7
24	13.81	−6	15.94	+1	88.93	−22	54.25	+3	24.46	−1	2.02	+5
25	13.42	−7	15.78	−2	87.48	−26	54.19	−1	24.29	−2	2.13	+2
26	13.04	−5	15.62	−6	86.03	−24	54.13	−4	24.12	−3	2.24	−1
27	12.67	−2	15.45	−8	84.59	−16	54.06	−7	23.95	−3	2.34	−4
28	12.30	+1	15.28	−8	83.15	−4	53.98	−8	23.78	−2	2.43	−6
29	11.93	+3	15.10	−6	81.72	+7	53.90	−7	23.61	−1	2.52	−7
30	11.57	+5	14.92	−3	80.30	+16	53.81	−4	23.43	0	2.60	−5
31	11.20	+5	14.74	+1	78.88	+20	53.72	0	23.26	+1	2.67	−2
Nov. 1	10.85	+4	14.55	+4	77.47	+17	53.62	+4	23.09	+2	2.74	+1
2	10.49	+1	14.36	+6	76.07	+10	53.51	+6	22.92	+2	2.81	+4
3	10.14	−2	14.16	+7	74.68	+1	53.40	+8	22.74	+2	2.87	+7
4	9.79	−4	13.96	+6	73.29	−10	53.29	+7	22.57	+1	2.92	+8
5	9.45	−6	13.75	+5	71.92	−18	53.17	+6	22.40	0	2.97	+8
6	9.11	−7	13.54	+2	70.55	−24	53.05	+4	22.23	−1	3.02	+6
7	8.78	−7	13.33	0	69.19	−25	52.92	+1	22.06	−2	3.06	+4
8	8.45	−6	13.11	−3	67.85	−23	52.79	−1	21.88	−2	3.09	+1
9	8.12	−4	12.88	−5	66.51	−18	52.65	−4	21.71	−2	3.11	−2
10	7.80	−1	12.66	−6	65.19	−9	52.51	−6	21.54	−2	3.13	−4
11	7.49	+2	12.42	−7	63.87	+2	52.36	−7	21.37	−2	3.15	−7
12	7.17	+5	12.19	−6	62.57	+13	52.21	−7	21.20	−1	3.16	−8
13	6.87	+7	11.95	−4	61.27	+24	52.05	−6	21.02	0	3.16	−8
14	6.56	+9	11.70	−1	59.99	+31	51.89	−3	20.85	+2	3.16	−7
15	6.26	+9	11.45	+2	58.73	+34	51.72	0	20.68	+3	3.15	−4
16	5.97	+7	11.20	+5	57.47	+30	51.55	+3	20.51	+3	3.13	−1
17	5.68	+4	10.94	+7	56.23	+21	51.37	+6	20.34	+3	3.11	+3
18	5.40	0	10.68	+8	55.00	+7	51.19	+7	20.17	+2	3.08	+6
19	5.13	−3	10.42	+6	53.79	−7	51.00	+7	20.01	+1	3.05	+7
20	4.86	−6	10.15	+3	52.59	−20	50.81	+4	19.84	−1	3.01	+6
21	4.59	−7	9.88	−1	51.41	−28	50.62	+1	19.67	−2	2.97	+4
22	4.33	−6	9.61	−5	50.24	−28	50.42	−3	19.50	−3	2.92	+1
23	4.08	−4	9.33	−7	49.09	−22	50.21	−6	19.34	−3	2.86	−3
24	3.83	−1	9.05	−8	47.95	−11	50.00	−7	19.17	−3	2.80	−6
25	3.58	+2	8.77	−7	46.83	+2	49.79	−7	19.01	−2	2.73	−7
26	3.34	+4	8.48	−4	45.73	+13	49.57	−5	18.84	0	2.66	−6
27	3.11	+5	8.19	0	44.64	+19	49.35	−2	18.68	+1	2.58	−4
28	2.89	+4	7.90	+3	43.58	+20	49.13	+2	18.52	+2	2.50	0
29	2.67	+2	7.60	+6	42.53	+15	48.90	+5	18.35	+2	2.41	+3

sec δ, tg δ	86° 37′ 10″	16.958	+16.929	89° 1′ 50″	59.104	+59.096	82° 15′ 0″	7.416	+7.348
	20	16.972	+16.943	60	59.274	+59.266	10	7.418	+7.351

Tag	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$0^h 57^m$	in ^{s} 0.01	+85° 50′	in ″ 0.01	$1^h 33^m$	in ^{s} 0.01	+88° 53′	in ″ 0.01	$4^h 11^m$	in ^{s} 0.01	+85° 20′	in ″ 0.01
Nov. 29	66.83	+ 5	36.20	− 3	59.23	+18	26.30	− 4	50.70	+ 1	49.77	− 6
30	66.62	+ 7	36.46	− 1	58.60	+25	26.60	− 2	50.75	+ 4	50.11	− 6
Dez. 1	66.42	+ 8	36.71	+ 2	57.95	+27	26.89	+ 1	50.79	+ 6	50.45	− 4
2	66.21	+ 7	36.96	+ 4	57.29	+25	27.18	+ 3	50.83	+ 7	50.79	− 2
3	66.00	+ 5	37.20	+ 6	56.61	+19	27.46	+ 5	50.86	+ 7	51.12	+ 1
4	65.78	+ 2	37.44	+ 7	55.91	+10	27.74	+ 6	50.89	+ 6	51.46	+ 3
5	65.56	0	37.67	+ 6	55.20	0	28.02	+ 6	50.91	+ 4	51.80	+ 5
6	65.33	− 3	37.90	+ 5	54.47	−10	28.29	+ 5	50.93	+ 1	52.13	+ 6
7	65.11	− 5	38.12	+ 2	53.73	−18	28.56	+ 3	50.94	− 2	52.45	+ 6
8	64.87	− 7	38.34	− 1	52.97	−24	28.82	0	50.95	− 5	52.78	+ 5
9	64.64	− 7	38.55	− 4	52.20	−27	29.08	− 2	50.95	− 7	53.11	+ 3
10	64.40	− 7	38.75	− 6	51.41	−26	29.33	− 5	50.94	− 9	53.44	0
11	64.16	− 5	38.96	− 9	50.61	−18	29.58	− 8	50.94	− 9	53.77	− 3
12	63.92	− 2	39.16	−10	49.80	− 8	29.83	− 9	50.92	− 7	54.11	− 6
13	63.68	+ 1	39.35	− 9	48.97	+ 4	30.07	− 9	50.90	− 4	54.44	− 8
14	63.43	+ 5	39.53	− 6	48.13	+16	30.30	− 7	50.88	− 1	54.77	− 8
15	63.18	+ 7	39.71	− 2	47.27	+23	30.53	− 4	50.85	+ 3	55.11	− 7
16	62.93	+ 7	39.88	+ 2	46.40	+25	30.75	+ 1	50.82	+ 5	55.43	− 4
17	62.67	+ 6	40.05	+ 5	45.52	+20	30.97	+ 4	50.78	+ 7	55.76	0
18	62.42	+ 3	40.21	+ 8	44.63	+10	31.18	+ 7	50.73	+ 6	56.07	+ 4
19	62.16	− 1	40.37	+ 8	43.72	− 2	31.39	+ 8	50.68	+ 4	56.39	+ 7
20	61.89	− 4	40.52	+ 7	42.80	−15	31.59	+ 7	50.63	+ 1	56.71	+ 8
21	61.63	− 6	40.66	+ 4	41.87	−22	31.79	+ 5	50.57	− 2	57.02	+ 8
22	61.36	− 7	40.80	0	40.93	−24	31.98	+ 1	50.50	− 4	57.33	+ 5
23	61.09	− 5	40.93	− 3	39.97	−20	32.17	− 2	50.43	− 5	57.65	+ 2
24	60.82	− 3	41.06	− 5	39.01	−10	32.35	− 4	50.36	− 4	57.95	− 2
25	60.54	+ 1	41.18	− 5	38.03	+ 2	32.52	− 5	50.28	− 3	58.26	− 5
26	60.27	+ 4	41.30	− 4	37.05	+14	32.69	− 4	50.19	0	58.56	− 6
27	59.99	+ 6	41.41	− 2	36.05	+22	32.85	− 3	50.10	+ 3	58.86	− 6
28	59.71	+ 7	41.51	+ 1	35.05	+27	33.01	0	50.01	+ 5	59.16	− 5
29	59.43	+ 7	41.60	+ 4	34.03	+26	33.16	+ 3	49.91	+ 7	59.45	− 3
30	59.15	+ 6	41.69	+ 6	33.01	+21	33.30	+ 5	49.81	+ 7	59.74	0
31	58.86	+ 3	41.78	+ 7	31.98	+13	33.44	+ 6	49.70	+ 6	60.03	+ 3
32	58.58	+ 1	41.86	+ 7	30.94	+ 3	33.57	+ 6	49.59	+ 4	60.31	+ 4
sec δ, tg δ	85° 50′ 30″	13.791	+13.754		88° 53′ 30″	51.698	+51.689		85° 20′ 50″	12.328	+12.287	
	40	13.800	+13.764		40	51.829	+51.819		60	12.335	+12.295	

Tag	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$7^h 4^m$	in 0.01 s	+87° 10′	in 0.01 ″	$9^h 26^m$	in 0.01 s	+81° 39′	in 0.01 ″	$16^h 53^m$	in 0.01 s	+82° 10′	in 0.01 ″
Nov. 29	47.81	−4	6.01	−6	4.87	−3	58.85	−3	43.28	0	15.85	+6
30	48.19	0	6.23	−7	5.04	−2	58.85	−6	43.24	−1	15.50	+7
Dez. 1	48.56	+4	6.45	−7	5.21	0	58.86	−8	43.20	−2	15.15	+6
2	48.92	+7	6.67	−6	5.38	+1	58.88	−8	43.16	−2	14.80	+4
3	49.28	+9	6.90	−4	5.55	+2	58.90	−7	43.12	−3	14.44	+2
4	49.63	+10	7.13	−1	5.72	+3	58.93	−5	{43.09 43.06	−2 −2	14.09 13.74	−1 −3
5	49.98	+9	7.37	+2	5.89	+3	58.97	−2	43.03	−1	13.38	−5
6	50.32	+6	7.61	+4	6.06	+3	59.01	+1	43.01	0	13.02	−6
7	50.65	+3	7.86	+6	6.22	+2	59.05	+4	42.99	+1	12.67	−6
8	50.98	−2	8.10	+7	6.39	+1	59.11	+7	42.97	+2	12.31	−5
9	51.30	−6	8.36	+7	6.56	−1	59.16	+8	42.96	+3	11.95	−3
10	51.61	−10	8.61	+6	6.72	−2	59.23	+8	42.95	+3	11.59	0
11	51.92	−13	8.87	+3	6.89	−4	59.30	+8	42.94	+3	11.24	+3
12	52.22	−14	9.13	0	7.05	−5	59.37	+5	42.94	+2	10.88	+6
13	52.51	−12	9.40	−3	7.21	−5	59.45	+2	42.94	+1	10.52	+8
14	52.79	−8	9.67	−6	7.37	−4	59.54	−2	42.94	0	10.16	+8
15	53.06	−2	9.94	−7	7.52	−2	59.63	−5	42.94	−1	9.80	+6
16	53.33	+4	10.21	−7	7.67	0	59.73	−7	42.95	−2	9.44	+3
17	53.59	+9	10.49	−4	7.82	+2	59.84	−7	42.96	−2	9.09	−1
18	53.84	+11	10.77	−1	7.97	+4	59.95	−5	42.98	−2	8.73	−5
19	54.08	+12	11.06	+3	8.12	+5	60.06	−2	43.00	−1	8.37	−7
20	54.32	+9	11.34	+6	8.27	+4	60.18	+1	43.02	0	8.02	−8
21	54.55	+4	11.63	+7	8.42	+3	60.31	+4	43.04	+1	7.67	−7
22	54.77	−1	11.92	+7	8.57	+1	60.44	+6	43.07	+2	7.32	−5
23	54.98	−5	12.21	+5	8.72	−1	60.57	+5	43.09	+2	6.97	−1
24	55.19	−7	12.51	+1	8.87	−2	60.71	+4	43.13	+1	6.62	+3
25	55.39	−7	12.81	−2	9.02	−3	60.86	+1	43.16	0	6.27	+5
26	55.57	−5	13.11	−5	9.16	−3	61.01	−2	43.20	−1	5.92	+6
27	55.75	−2	13.41	−7	9.30	−2	61.17	−5	43.24	−2	5.58	+6
28	55.92	+2	13.71	−8	9.44	−1	61.34	−7	43.28	−2	5.24	+5
29	56.08	+6	14.02	−7	9.57	+1	61.50	−8	43.33	−3	4.90	+3
30	56.23	+9	14.33	−5	9.71	+2	61.68	−7	43.37	−2	4.56	0
31	56.38	+10	14.64	−2	9.84	+3	61.85	−5	43.42	−2	4.23	−3
32	56.52	+9	14.95	+1	9.97	+3	62.03	−3	43.47	−1	3.89	−5
sec δ, tg δ	87° 10′ 10″		20.250	+20.225	81° 39′ 50″		6.898	+6.825	82° 10′ 0″		7.337	+7.269
	20		20.270	+20.245	60		6.900	+6.827	10		7.340	+7.271

Tag	δ Ursae minoris 4ᵐ.3				λ Ursae minoris 6ᵐ.8				76 Draconis 6ᵐ.0			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$17^h 56^m$	in 0.01 s	+86° 36′	in 0.01 ″	$18^h 55^m$	in 0.01 s	+89° 1′	in 0.01 ″	$20^h 48^m$	in 0.01 s	+82° 14′	in 0.01 ″
Nov. 29	62.67 s	+ 2	67.60 ″	+ 6	42.53 s	+15	48.90 ″	+ 5	18.35 s	+ 2	62.41 ″	+ 3
30	62.46	0	67.30	+ 7	41.49	+ 6	48.67	+ 7	18.19	+ 2	62.31	+ 6
Dez. 1	62.25	− 3	67.00	+ 7	40.48	− 5	48.43	+ 8	18.04	+ 2	62.21	+ 8
2	62.05	− 5	66.69	+ 6	39.48	−14	48.19	+ 7	17.88	+ 1	62.10	+ 8
3	61.86	− 6	66.39	+ 3	38.50	−21	47.94	+ 5	17.72	0	61.99	+ 7
4	61.67	− 7	66.08	+ 1	37.55	−24	47.69	+ 2	17.57	− 1	61.87	+ 5
5	61.49	− 6	65.77	− 2	36.61	−24	47.43	0	17.41	− 2	61.74	+ 2
6	61.31	− 4	65.45	− 4	35.69	−19	47.17	− 3	17.26	− 2	61.61	0
7	61.14	− 2	65.13	− 6	34.79	−12	46.91	− 5	17.11	− 2	61.47	− 3
8	60.98	+ 1	64.82	− 7	33.91	− 1	46.65	− 7	16.96	− 2	61.33	− 6
9	60.82	+ 4	64.49	− 6	33.05	+10	46.38	− 7	16.81	− 1	61.18	− 8
10	60.67	+ 7	64.17	− 5	32.21	+21	46.11	− 6	16.66	0	61.02	− 8
11	60.53	+ 8	63.85	− 2	31.40	+30	45.83	− 5	16.52	+ 1	60.86	− 8
12	60.40	+ 9	63.52	+ 1	30.60	+35	45.55	− 1	16.37	+ 2	60.70	− 5
13	60.27	+ 8	63.19	+ 4	29.83	+34	45.27	+ 2	16.23	+ 3	60.53	− 2
14	60.14	+ 5	62.87	+ 6	29.08	+27	44.99	+ 5	16.09	+ 3	60.35	+ 1
15	60.03	+ 2	62.53	+ 8	28.35	+14	44.70	+ 7	15.96	+ 3	60.17	+ 5
16	59.92	− 2	62.20	+ 7	27.64	− 1	44.41	+ 7	15.82	+ 2	59.99	+ 7
17	59.82	− 5	61.87	+ 5	26.95	−16	44.12	+ 6	15.69	0	59.80	+ 7
18	59.73	− 7	61.53	+ 1	26.29	−26	43.82	+ 3	15.55	− 1	59.60	+ 5
19	59.64	− 7	61.20	− 3	25.65	−30	43.52	− 1	15.43	− 3	59.40	+ 3
20	{59.56 59.49	− 6 − 3	60.86 60.52	− 6 − 8	25.04	−27	43.21	− 4	15.30	− 3	59.19	− 1
21	59.43	+ 1	60.19	− 7	24.45	−18	42.90	− 7	15.17	− 3	58.98	− 4
22	59.37	+ 3	59.85	− 5	23.88	− 5	42.60	− 7	15.05	− 2	58.76	− 6
23	59.32	+ 5	59.50	− 2	23.33	+ 7	42.29	− 6	14.93	− 1	58.54	− 6
24	59.28	+ 5	59.16	+ 2	22.81	+16	41.98	− 3	14.80	0	58.32	− 5
25	59.25	+ 3	58.82	+ 5	22.31	+19	41.67	+ 1	14.68	+ 2	58.09	− 2
26	59.22	+ 1	58.48	+ 7	21.84	+16	41.36	+ 4	14.57	+ 2	57.86	+ 2
27	59.20	− 2	58.14	+ 7	21.39	+ 9	41.04	+ 6	14.46	+ 2	57.62	+ 5
28	59.19	− 4	57.80	+ 6	20.97	− 1	40.72	+ 8	14.34	+ 2	57.38	+ 7
29	59.18	− 6	57.46	+ 4	20.57	−11	40.40	+ 7	14.24	+ 1	57.13	+ 8
30	59.18	− 7	57.12	+ 2	20.20	−19	40.08	+ 6	14.13	0	56.88	+ 7
31	59.19	− 6	56.78	− 1	19.86	−24	39.76	+ 3	14.03	− 1	56.63	+ 6
32	59.21	− 5	56.44	− 3	19.54	−25	39.44	+ 1	13.93	− 2	56.37	+ 3
sec δ, tg δ	86° 36′ 60″ 70	16.945 16.958	+16.915 +16.929		89° 1′ 40″ 50	58.936 59.104	+58.927 +59.096		82° 14′ 50″ 60	7.413 7.416	+7.345 +7.348	

Tag	Octantis 4 G. 6^m				ζ Octantis 6^m-5^m				ι Octantis 6^m-5^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$1^h 41^m$	in ^{s} 0.01	−85° 10′	in ″ 0.01	$9^h 8^m$	in ^{s} 0.01	−85° 20′	in ″ 0.01	$12^h 46^m$	in ^{s} 0.01	−84° 41′	in ″ 0.01
Jan. 0	^{s}45.70	+5	″28.36	+5	^{s}42.86	−5	″52.11	+5	^{s}37.81	−5	″22.96	−2
1	45.43	+5	28.39	+1	42.99	−2	52.44	+5	38.07	−4	23.04	+1
2	45.16	+3	28.41	−2	43.11	0	52.77	+4	38.32	−2	23.13	+4
3	44.89	+1	28.43	−4	43.24	+3	53.11	+2	38.58	0	23.22	+4
4	44.62	−2	28.45	−5	43.35	+4	53.45	+1	38.84	+2	23.32	+4
5	44.35	−4	28.45	−5	43.46	+4	53.79	−3	39.09	+4	23.42	+3
6	44.08	−5	28.45	−3	43.57	+4	54.14	−5	39.35	+5	23.53	+1
7	43.81	−5	28.45	−1	43.68	+3	54.48	−6	39.61	+5	23.65	−1
8	43.54	−5	28.44	+1	43.78	+1	54.83	−7	39.86	+5	23.77	−3
9	43.27	−4	28.42	+3	43.87	0	55.18	−6	40.12	+3	23.90	−5
10	42.99	−2	28.39	+4	43.96	−2	55.54	−4	40.37	+1	24.03	−5
11	42.72	0	28.36	+5	44.04	−3	55.90	−1	40.62	−1	24.17	−5
12	42.45	+2	28.32	+5	44.12	−4	56.25	+1	40.87	−3	24.32	−3
13	42.18	+4	28.27	+3	44.20	−4	56.62	+5	41.12	−5	24.47	−1
14	41.90	+6	28.22	+1	44.27	−3	56.98	+7	41.37	−6	24.63	+3
15	41.63	+6	28.16	−2	44.33	−1	57.34	+9	41.61	−6	24.79	+6
16	41.36	+5	28.10	−6	44.39	+1	57.71	+9	41.86	−5	24.96	+9
17	41.09	+3	28.03	−9	44.45	+4	58.08	+8	42.10	−3	25.14	+10
18	40.82	0	27.96	−10	44.50	+6	58.44	+5	42.35	0	25.32	+10
19	40.55	−2	27.88	−10	44.54	+7	58.82	+1	42.59	+3	25.51	+8
20	40.28	−5	27.79	−8	44.58	+6	59.19	−3	42.83	+5	25.70	+4
21	40.01	−6	27.70	−4	44.62	+4	59.56	−6	43.07	+6	25.90	0
22	39.74	−5	27.60	+1	44.65	+1	59.94	−8	43.30	+5	26.10	−4
23	39.47	−4	27.49	+5	44.68	−2	60.31	−7	43.53	+3	26.31	−8
24	39.20	−1	27.38	+8	44.70	−5	60.69	−5	43.76	+1	26.52	−9
25	38.94	+2	27.27	+9	44.72	−6	61.07	−2	43.99	−2	26.74	−8
26	38.67	+4	27.15	+9	44.73	−7	61.44	+1	44.22	−4	26.96	−6
27	38.41	+5	27.02	+6	44.73	−6	61.82	+4	44.45	−5	27.19	−3
28	38.14	+5	26.89	+3	44.73	−3	62.21	+5	44.67	−5	27.42	0
29	37.88	+4	26.75	−1	44.73	−1	62.59	+5	44.89	−3	27.66	+3
30	37.62	+1	26.60	−3	44.72	+2	62.97	+3	45.11	−1	27.90	+4
31	37.36	−1	26.45	−5	44.71	+3	63.35	0	45.33	+1	28.15	+4
Febr. 1	37.10	−3	26.29	−4	44.69	+4	63.73	−2	45.54	+4	28.40	+3
2	36.84	−5	26.13	−3	44.67	+4	64.11	−5	45.75	+5	28.65	+1
3	36.59	−5	25.97	−2	44.65	+3	64.49	−6	45.96	+6	28.91	−1
4	36.34	−5	25.79	+1	44.62	+2	64.87	−7	46.16	+5	29.18	−3
5	36.09	−4	25.62	+3	44.58	0	65.25	−6	46.37	+4	29.44	−5
6	35.84	−3	25.44	+4	44.54	−1	65.63	−5	46.57	+2	29.72	−5
sec δ, tg δ	85° 10′ 20″	11.882	−11.840		85° 20′ 50″	12.328	−12.287		84° 41′ 20″	10.803	−10.757	
	30	11.889	−11.847		60	12.335	−12.295		30	10.809	−10.763	

	Octantis 20 G. 7ᵐ				Octantis 26 G. 6ᵐ – 7ᵐ				χ Octantis 6ᵐ			
Tag	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$14^h 47^m$	in s 0.01	−87° 49′	in ″ 0.01	$16^h 30^m$	in s 0.01	−86° 13′	in ″ 0.01	$18^h 8^m$	in s 0.01	−87° 39′	in ″ 0.01
Jan. 0	52.50	− 9	30.59	− 5	57.79	− 3	11.82	− 6	8.71	0	38.70	− 7
1	53.09	−10	30.48	− 1	58.06	− 5	11.58	− 3	8.92	− 5	38.37	− 4
2	53.69	− 7	30.38	+ 2	58.33	− 5	11.35	0	9.15	− 7	38.05	− 1
3	54.29	− 3	30.29	+ 4	58.60	− 4	11.12	+ 4	9.38	− 7	37.74	+ 2
4	54.90	+ 2	30.20	+ 6	58.87	− 1	10.90	+ 6	9.62	− 5	37.42	+ 5
5	55.51	+ 7	30.11	+ 5	59.15	+ 2	10.68	+ 7	9.88	− 2	37.10	+ 7
6	56.12	+11	30.03	+ 4	59.44	+ 4	10.46	+ 6	10.14	+ 2	36.79	+ 7
7	56.74	+12	29.96	+ 2	59.73	+ 6	10.24	+ 5	10.41	+ 6	36.48	+ 6
8	57.36	+12	29.89	0	60.02	+ 7	10.03	+ 2	10.69	+ 8	36.16	+ 5
9	57.99	+10	29.82	− 2	60.32	+ 7	9.82	0	10.99	+ 9	35.86	+ 2
10	58.62	+ 6	29.76	− 4	60.63	+ 5	9.62	− 2	11.29	+ 9	35.55	− 1
11	59.25	+ 1	29.71	− 5	60.94	+ 3	9.42	− 5	11.60	+ 7	35.25	− 3
12	59.88	− 5	29.66	− 5	61.25	0	9.23	− 6	11.92	+ 3	34.95	− 5
13	60.52	−10	29.62	− 4	61.57	− 4	9.04	− 6	12.25	− 2	34.65	− 7
14	61.16	−15	29.58	− 1	61.89	− 8	8.86	− 5	12.59	− 8	34.36	− 7
15	61.80	−17	29.55	+ 2	62.21	−10	8.69	− 2	12.94	−13	34.07	− 6
16	62.45	−17	29.53	+ 5	62.54	−12	8.51	+ 1	13.29	−17	33.78	− 3
17	63.09	−13	29.51	+ 8	62.87	−11	8.34	+ 4	13.65	−19	33.49	0
18	63.74	− 7	29.50	+ 9	63.20	− 8	8.18	+ 7	14.02	−16	33.21	+ 4
19	64.39	0	29.49	+ 9	63.54	− 4	8.02	+ 9	14.40	−11	32.93	+ 7
20	65.05	+ 7	29.49	+ 7	63.88	+ 1	7.86	+ 8	14.79	− 3	32.65	+ 8
21	65.71	+12	29.50	+ 3	64.22	+ 5	7.71	+ 6	15.19	+ 4	32.38	+ 7
22	66.36	+14	29.51	− 1	64.57	+ 8	7.57	+ 2	15.59	+11	32.10	+ 5
23	67.02	+12	29.53	− 5	64.92	+ 9	7.43	− 2	16.00	+15	31.84	+ 1
24	67.67	+ 8	29.55	− 8	65.27	+ 8	7.29	− 6	16.42	+16	31.57	− 3
25	68.33	+ 2	29.58	− 9	65.63	+ 5	7.17	− 9	16.85	+13	31.31	− 6
26	68.98	− 4	29.62	− 9	65.98	+ 2	7.04	− 9	17.28	+ 8	31.05	− 8
27	69.64	− 8	29.66	− 6	66.34	− 2	6.92	− 8	17.72	+ 2	30.80	− 8
28	70.29	−10	29.71	− 3	66.71	− 4	6.81	− 5	18.17	− 4	30.55	− 6
29	70.95	− 8	29.76	+ 1	67.07	− 5	6.70	− 1	18.62	− 6	30.30	− 3
30	71.60	− 4	29.82	+ 4	67.44	− 4	6.60	+ 2	19.09	− 7	30.06	+ 1
31	72.26	+ 1	29.88	+ 5	67.81	− 2	6.50	+ 5	19.56	− 6	29.82	+ 4
Febr. 1	72.91	+ 6	29.95	+ 5	68.18	+ 1	6.41	+ 6	20.04	− 3	29.59	+ 6
2	73.56	+10	30.03	+ 4	68.56	+ 4	6.32	+ 6	20.53	+ 1	29.35	+ 7
3	74.22	+13	30.11	+ 3	68.93	+ 6	6.24	+ 5	21.02	+ 5	29.13	+ 7
4	74.87	+13	30.19	0	69.31	+ 7	6.16	+ 3	21.51	+ 8	28.91	+ 5
5	75.52	+12	30.28	− 2	69.69	+ 7	6.09	+ 1	22.01	+10	28.69	+ 3
6	76.17	+ 9	30.38	− 4	70.07	+ 6	6.02	− 2	22.52	+10	28.47	0
sec δ, tg δ	87° 49′ 20″	26.316	−26.297		86° 13′ 0″	15.155	−15.122		87° 39′ 30″	24.475	−24.454	
	30	26.349	−26.330		10	15.166	−15.133		40	24.504	−24.483	

Tag	σ Octantis 6ᵐ				β Octantis 4ᵐ.1				τ Octantis 6ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$19^h 32^m$	in s 0.01	−89° 12′	in ″ 0.01	$22^h 37^m$	in s 0.01	−81° 47′	in ″ 0.01	$23^h 16^m$	in s 0.01	−87° 55′	in ″ 0.01
Jan. 0	23.92	+28	53.56	− 7	57.41	+ 4	58.46	− 1	23.59	+16	13.36	+ 1
1	23.89	+10	53.21	− 7	57.30	+ 3	58.25	− 3	23.06	+11	13.17	− 2
2	23.90	− 6	52.86	− 5	57.19	+ 1	58.03	− 4	22.54	+ 5	12.98	− 4
3	23.94	−18	52.50	− 2	57.08	− 1	57.80	− 4	22.02	− 2	12.78	− 4
4	24.00	−24	52.15	+ 1	56.98	− 3	57.57	− 3	21.51	− 8	12.57	− 3
5	24.10	−23	51.80	+ 4	56.87	− 3	57.33	0	21.00	−11	12.36	− 1
6	24.23	−16	51.45	+ 6	56.77	− 3	57.09	+ 2	20.50	−13	12.15	+ 1
7	24.39	− 7	51.09	+ 7	56.67	− 2	56.85	+ 4	20.00	−12	11.93	+ 3
8	24.58	+ 4	50.74	+ 7	56.57	− 2	56.60	+ 6	19.51	− 9	11.70	+ 5
9	24.79	+14	50.39	+ 6	56.48	0	56.35	+ 6	19.02	− 5	11.47	+ 6
10	25.04	+22	50.04	+ 4	56.38	+ 1	56.09	+ 6	18.54	0	11.24	+ 6
11	25.32	+25	49.69	+ 1	56.29	+ 2	55.83	+ 4	18.07	+ 5	11.00	+ 5
12	25.63	+24	49.33	− 2	56.20	+ 3	55.56	+ 2	17.60	+ 9	10.75	+ 3
13	{ 25.96 { 26.33	+ 17 + 6	48.98 48.63	− 5 − 7	56.11	+ 3	55.29	− 1	17.14	+11	10.50	0
14	26.72	−10	48.28	− 8	56.03	+ 3	55.02	− 4	16.69	+12	10.25	− 3
15	27.15	−27	47.93	− 8	55.94	+ 1	54.74	− 7	16.25	+ 9	9.99	− 7
16	27.60	−41	47.58	− 6	55.86	0	54.45	−10	15.81	+ 5	9.72	− 9
17	28.09	−50	47.24	− 3	55.78	− 2	54.17	−10	15.38	− 1	9.46	−10
18	28.60	−50	46.89	+ 1	55.70	− 4	53.87	− 9	14.96	− 8	9.18	−10
19	29.15	−40	46.55	+ 4	55.63	− 5	53.58	− 6	14.55	−13	8.91	− 7
20	29.72	−22	46.20	+ 7	55.55	− 5	53.28	− 2	14.14	−16	8.63	− 4
21	30.32	0	45.86	+ 7	55.48	− 4	52.97	+ 2	13.74	−15	8.34	+ 1
22	30.94	+22	45.52	+ 6	55.41	− 2	52.66	+ 6	13.35	−10	8.05	+ 5
23	31.60	+39	45.17	+ 4	55.35	0	52.35	+ 8	12.96	− 3	7.75	+ 8
24	32.28	+47	44.83	0	55.29	+ 3	52.03	+ 8	12.59	+ 5	7.45	+ 9
25	32.99	+44	44.49	− 3	55.23	+ 4	51.71	+ 7	12.22	+12	7.15	+ 7
26	33.73	+33	44.15	− 6	55.17	+ 5	51.39	+ 4	11.86	+16	6.84	+ 5
27	34.49	+17	43.82	− 7	55.11	+ 5	51.07	0	11.51	+17	6.53	+ 2
28	35.28	0	43.48	− 6	55.05	+ 3	50.74	− 2	11.17	+14	6.22	− 1
29	36.10	−13	43.15	− 3	55.00	+ 1	50.42	− 4	10.83	+ 8	5.90	− 3
30	36.94	−21	42.82	0	54.95	0	50.08	− 4	10.51	+ 1	5.58	− 4
31	37.80	−23	42.49	+ 3	54.90	− 2	49.75	− 3	10.19	− 6	5.26	− 4
Febr. 1	38.69	−18	42.17	+ 5	54.86	− 3	49.41	− 1	9.88	−10	4.93	− 2
2	39.61	− 9	41.84	+ 7	54.81	− 3	49.07	+ 1	9.58	−12	4.60	0
3	40.55	+ 2	41.52	+ 7	54.78	− 3	48.73	+ 4	9.29	−12	4.27	+ 3
4	41.52	+12	41.20	+ 6	54.74	− 2	48.38	+ 5	9.01	−10	3.93	+ 5
5	42.51	+21	40.89	+ 5	54.70	− 1	48.04	+ 6	8.74	− 6	3.59	+ 6
6	43.52	+26	40.57	+ 2	54.67	+ 1	47.69	+ 6	8.47	− 1	3.25	+ 6
sec δ, tg δ	89° 12′ 40″ 50	72.631 72.887	−72.624 −72.881		81° 47′ 50″ 60	7.009 7.011	−6.937 −6.940		87° 55′ 0″ 10	27.508 27.545	−27.490 −27.527	

Tag	Octantis 4 G. 6ᵐ				ζ Octantis 6ᵐ – 5ᵐ				ι Octantis 6ᵐ – 5ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	1ʰ 41ᵐ	in ˢ 0.01	−85° 10′	in ″ 0.01	9ʰ 8ᵐ	in ˢ 0.01	−85° 21′	in ″ 0.01	12ʰ 46ᵐ	in ˢ 0.01	−84° 41′	in ″ 0.01
Febr. 6	35.84	−3	25.44	+4	44.54	−1	5.63	−5	46.57	+2	29.72	−5
7	35.59	−1	25.25	+5	44.49	−3	6.00	−3	46.76	0	29.99	−5
8	35.34	+1	25.06	+5	44.44	−4	6.38	0	46.96	−2	30.27	−4
9	35.10	+4	24.86	+4	44.38	−4	6.76	+3	47.15	−4	30.56	−2
10	34.86	+5	24.65	+2	44.32	−3	7.14	+6	47.34	−6	30.85	+1
11	34.62	+6	24.44	−1	44.25	−2	7.51	+8	47.53	−6	31.14	+4
12	34.38	+5	24.23	−4	44.19	0	7.89	+9	47.71	−6	31.44	+7
13	34.15	+4	24.01	−7	44.11	+3	8.26	+9	47.89	−4	31.74	+9
14	33.92	+2	23.78	−9	44.03	+5	8.63	+6	48.07	−1	32.05	+10
15	33.69	−1	23.56	−10	43.95	+6	9.01	+3	48.24	+1	32.35	+9
16	33.46	−4	23.32	−9	43.87	+6	9.38	−1	48.42	+4	32.67	+6
17	33.23	−5	23.09	−5	43.77	+5	9.74	−5	48.59	+5	32.98	+2
18	33.00	−6	22.85	−1	43.68	+3	10.11	−7	48.76	+5	33.30	−2
19	32.78	−4	22.60	+3	43.58	0	10.48	−7	48.92	+4	33.62	−6
20	32.56	−2	22.35	+6	43.48	−3	10.84	−5	49.08	+2	33.94	−8
21	32.34	+1	22.10	+9	43.37	−6	11.21	−3	49.24	−1	34.27	−8
22	32.13	+3	21.84	+9	43.26	−6	11.56	+1	49.40	−4	34.60	−6
23	31.92	+5	21.58	+7	43.14	−6	11.92	+3	49.55	−5	34.93	−4
24	31.71	+5	21.31	+4	43.02	−4	12.28	+5	49.70	−5	35.27	−1
25	31.50	+4	21.04	0	42.89	−2	12.63	+5	49.84	−4	35.60	+2
26	31.30	+3	20.77	−2	42.76	+1	12.98	+4	49.99	−2	35.94	+4
27	31.09	0	20.49	−4	42.63	+3	13.34	+1	50.12	+1	36.29	+4
28	30.90	−2	20.21	−5	42.49	+4	13.69	−1	50.26	+3	36.63	+3
März 1	30.70	−4	19.92	−4	42.35	+4	14.03	−4	50.39	+5	36.98	+2
2	30.51	−5	19.63	−2	42.20	+3	14.37	−6	50.52	+5	37.33	−1
3	30.32	−5	19.34	0	42.05	+2	14.71	−7	50.64	+5	37.68	−3
4	30.14	−5	19.04	+2	41.90	+1	15.05	−7	50.77	+5	38.03	−4
5	29.96	−3	18.74	+4	41.74	−1	15.38	−6	50.88	+3	38.39	−5
6	29.78	−1	18.43	+5	41.58	−3	15.71	−4	51.00	+1	38.75	−6
7	29.60	+1	18.13	+6	41.42	−4	16.04	−1	51.11	−1	39.11	−5
8	29.43	+3	17.81	+5	41.25	−4	16.37	+1	51.22	−3	39.47	−3
9	29.25	+4	17.50	+3	41.08	−4	16.69	+5	51.32	−5	39.83	−1
10	29.09	+6	17.18	+1	40.91	−3	17.01	+7	51.42	−6	40.19	+2
11	28.92	+6	16.86	−2	40.73	−1	17.33	+9	51.52	−6	40.56	+5
12	28.76	+5	16.54	−5	40.55	+1	17.65	+9	51.61	−5	40.93	+8
13	28.60	+3	16.21	−8	40.37	+4	17.97	+7	51.71	−2	41.29	+9
14	28.45	0	15.89	−10	40.18	+6	18.28	+4	51.79	0	41.66	+9
15	28.30	−3	15.56	−9	39.99	+6	18.58	0	51.88	+3	42.03	+7
sec δ, tg δ	85° 10′ 20″	11.882	−11.840		85° 21′ 10″	12.343	−12.302		84° 41′ 30″	10.809	−10.763	
	30	11.889	−11.847		20	12.350	−12.309		40	10.815	−10.768	

Tag	Octantis 20 G. 7^m				Octantis 26 G. 6^m-7^m				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$14^h 48^m$	in s 0.01	−87° 49′	in ″ 0.01	$16^h 31^m$	in s 0.01	−86° 13′	in ″ 0.01	$18^h 8^m$	in s 0.01	−87° 39′	in ″ 0.01
Febr. 6	16.17	+ 9	30.38	− 4	10.07	+ 6	6.02	− 2	22.52	+10	28.47	0
7	16.82	+ 4	30.48	− 5	10.46	+ 4	5.96	− 4	23.03	+ 9	28.27	− 2
8	17.46	− 2	30.59	− 5	10.84	+ 2	5.90	− 6	23.55	+ 6	28.06	− 5
9	18.11	− 7	30.71	− 5	11.23	− 2	5.85	− 6	24.08	+ 1	27.86	− 7
10	18.75	−13	30.83	− 3	11.62	− 6	5.80	− 6	24.61	− 5	27.66	− 7
11	19.39	−16	30.95	0	12.00	− 9	5.76	− 4	25.14	−11	27.47	− 7
12	20.03	−17	31.08	+ 3	12.39	−11	5.73	− 1	25.68	−16	27.28	− 4
13	20.66	−15	31.22	+ 6	12.78	−11	5.70	+ 3	26.23	−18	27.09	− 1
14	21.29	−10	31.36	+ 9	13.17	−10	5.67	+ 6	26.78	−17	26.91	+ 2
15	21.92	− 3	31.50	+ 9	13.56	− 6	5.65	+ 8	27.33	−14	26.73	+ 6
16	22.55	+ 4	31.65	+ 8	13.96	− 1	5.64	+ 9	27.89	− 7	26.56	+ 7
17	23.17	+10	31.81	+ 5	14.35	+ 3	5.63	+ 7	28.46	0	26.39	+ 8
18	23.79	+13	31.97	+ 1	14.74	+ 7	5.62	+ 4	29.03	+ 7	26.23	+ 6
19	24.41	+12	32.13	− 3	15.14	+ 8	5.62	0	29.60	+12	26.07	+ 2
20	25.02	+ 9	32.30	− 7	15.53	+ 8	5.62	− 4	30.18	+14	25.92	− 2
21	25.63	+ 3	32.48	− 9	15.93	+ 6	5.63	− 8	30.76	+13	25.77	− 5
22	26.24	− 3	32.65	− 9	16.32	+ 2	5.65	− 9	31.34	+ 9	25.63	− 7
23	26.84	− 8	32.84	− 7	16.72	− 1	5.67	− 8	31.93	+ 3	25.49	− 8
24	27.44	−10	33.03	− 4	17.11	− 4	5.69	− 6	32.52	− 2	25.35	− 6
25	28.03	− 9	33.22	0	17.50	− 5	5.72	− 2	33.12	− 6	25.22	− 4
26	28.62	− 6	33.41	+ 3	17.89	− 5	5.76	+ 1	33.71	− 7	25.09	0
27	29.20	− 1	33.62	+ 4	18.29	− 3	5.80	+ 4	34.32	− 6	24.97	+ 3
28	29.78	+ 4	33.82	+ 5	18.68	0	5.84	+ 6	34.92	− 4	24.85	+ 6
März 1	30.36	+ 9	34.03	+ 5	19.07	+ 3	5.89	+ 6	35.53	0	24.74	+ 7
2	30.93	+12	34.24	+ 3	19.45	+ 5	5.95	+ 6	36.14	+ 4	24.63	+ 7
3	31.50	+13	34.46	+ 1	19.84	+ 7	6.01	+ 4	36.75	+ 7	24.53	+ 6
4	32.06	+13	34.68	− 1	20.23	+ 8	6.07	+ 1	37.36	+10	24.43	+ 4
5	32.61	+10	34.91	− 3	20.61	+ 7	6.14	− 1	37.98	+11	24.33	+ 1
6	33.16	+ 6	35.14	− 5	21.00	+ 6	6.22	− 3	38.60	+10	24.25	− 1
7	33.71	+ 1	35.38	− 6	21.39	+ 3	6.30	− 5	39.22	+ 8	24.16	− 4
8	34.25	− 4	35.62	− 5	21.78	0	6.38	− 6	39.84	+ 4	24.08	− 6
9	34.78	−10	35.86	− 4	22.17	− 4	6.47	− 6	40.46	− 2	24.01	− 7
10	35.31	−14	36.11	− 2	22.57	− 7	6.57	− 5	41.08	− 7	23.94	− 7
11	35.84	−16	36.36	+ 2	22.96	−10	6.67	− 2	41.71	−13	23.88	− 5
12	36.36	−15	36.61	+ 5	23.34	−11	6.77	+ 1	42.34	−16	23.82	− 2
13	36.87	−12	36.87	+ 8	23.72	−10	6.88	+ 5	42.97	−17	23.77	+ 1
14	37.37	− 6	37.13	+ 9	24.10	− 7	6.99	+ 7	43.60	−15	23.72	+ 4
15	37.87	+ 2	37.40	+ 9	24.48	− 3	7.11	+ 9	44.23	−10	23.67	+ 7
sec δ, tg δ	87° 49′ 30″		26.349	−26.330	86° 13′ 0″		15.155	−15.122	87° 39′ 20″		24.446	−24.425
	40		26.383	−26.364	10		15.166	−15.133	30		24.475	−24.454

Tag	σ Octantis 6^m				β Octantis 4^m.1				τ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	19h 32m	in s 0.01	−89° 12′	in ″ 0.01	22h 37m	in s 0.01	−81° 47′	in ″ 0.01	23h 16m	in s 0.01	−87° 54′	in ″ 0.01
Febr. 6	s 43.52	+26	″ 40.57	+ 2	s 54.67	+ 1	″ 47.69	+ 6	s 8.47	− 1	″ 63.25	+ 6
7	44.56	+27	40.26	0	54.64	+ 2	47.34	+ 5	8.22	+ 3	62.90	+ 6
8	45.62	+23	39.96	− 3	54.61	+ 3	46.99	+ 3	7.97	+ 8	62.55	+ 4
9	46.70	+14	39.65	− 6	54.58	+ 3	46.64	+ 1	7.74	+11	62.20	+ 1
10	47.81	0	39.35	− 8	54.55	+ 3	46.28	− 3	7.51	+12	61.85	− 2
11	48.93	−17	39.05	− 8	54.53	+ 2	45.92	− 6	7.29	+11	61.49	− 5
12	50.08	−34	38.75	− 7	54.50	+ 1	45.56	− 9	7.08	+ 8	61.14	− 8
13	51.26	−46	38.45	− 4	54.48	− 1	45.20	−10	6.88	+ 2	60.77	−10
14	52.45	−50	38.16	− 1	54.47	− 3	44.83	−10	6.69	− 5	60.41	−10
15	53.67	−45	37.87	+ 3	54.47	− 4	44.47	− 8	6.51	−11	60.05	− 9
16	54.91	−32	37.59	+ 6	54.46	− 5	44.10	− 4	6.33	−15	59.68	− 6
17	56.16	−12	37.31	+ 7	54.46	− 4	43.74	0	6.17	−16	59.31	− 1
18	57.44	+10	37.03	+ 7	54.45	− 3	43.37	+ 4	6.01	−13	58.95	+ 3
19	58.74	+29	36.76	+ 5	54.44	− 1	43.00	+ 7	5.87	− 7	58.57	+ 6
20	60.05	+39	36.49	+ 1	54.43	+ 2	42.63	+ 8	5.73	+ 1	58.20	+ 8
21	61.39	+43	36.22	− 2	54.43	+ 4	42.26	+ 7	5.60	+ 9	57.83	+ 7
22	62.74	+35	35.95	− 5	54.43	+ 5	41.89	+ 4	5.49	+15	57.45	+ 6
23	64.10	+21	35.69	− 7	54.44	+ 5	41.51	+ 1	5.38	+16	57.07	+ 3
24	65.49	+ 5	35.43	− 6	54.45	+ 4	41.14	− 2	5.28	+15	56.70	− 1
25	66.89	−10	35.18	− 5	54.46	+ 2	40.77	− 4	5.19	+10	56.32	− 3
26	68.31	−19	34.93	− 2	54.47	0	40.40	− 4	5.11	+ 3	55.94	− 4
27	69.74	−22	34.68	+ 2	54.49	− 1	40.02	− 4	5.04	− 3	55.56	− 4
28	71.19	−20	34.44	+ 4	54.50	− 3	39.65	− 2	4.98	− 8	55.18	− 2
März 1	72.67	−12	34.20	+ 7	54.52 54.55	− 3 − 3	39.27 38.90	+ 1 + 3	4.92	−12	54.79	0
2	74.16	− 1	33.96	+ 7	54.57	− 2	38.53	+ 5	4.88	−13	54.41	+ 2
3	75.66	+10	33.73	+ 7	54.60	− 1	38.15	+ 6	4.85	−11	54.02	+ 4
4	77.18	+19	33.50	+ 6	54.63	0	37.78	+ 7	4.82	− 7	53.64	+ 6
5	78.71	+26	33.28	+ 4	54.66	+ 1	37.41	+ 6	4.81	− 3	53.25	+ 6
6	80.25	+29	33.06	+ 1	54.70	+ 2	37.04	+ 4	4.80	+ 2	52.87	+ 6
7	81.81	+27	32.85	− 2	54.73	+ 3	36.66	+ 2	4.81	+ 6	52.48	+ 5
8	83.38	+19	32.64	− 5	54.77	+ 3	36.29	− 1	4.82	+10	52.10	+ 3
9	84.97	+ 7	32.43	− 7	54.82	+ 2	35.92	− 4	4.84	+12	51.71	0
10	86.56	− 8	32.23	− 8	54.86	+ 1	35.55	− 7	4.87	+12	51.33	− 3
11	88.17	−24	32.03	− 8	54.91	0	35.18	− 9	4.91 4.96	+ 10 + 5	50.94 50.56	− 6 − 9
12	89.79	−38	31.84	− 6	54.96	− 2	34.81	− 9	5.02	− 2	50.17	−10
13	91.42	−46	31.65	− 2	55.01	− 4	34.44	− 8	5.09	− 8	49.79	− 9
14	93.06	−46	31.47	+ 1	55.06	− 5	34.08	− 5	5.16	−14	49.40	− 7
15	94.71	−37	31.29	+ 5	55.12	− 5	33.71	− 2	5.25	−16	49.02	− 3
sec δ, tg δ	89° 12′ 30″ 40		72.377 72.631	−72.369 −72.624	81° 47′ 40″ 50		7.006 7.009	−6.935 −6.937	87° 54′ 50″ 60		27.471 27.508	−27.453 −27.490

Tag	Octantis 4 G. 6^m				ζ Octantis 6^m-5^m				ι Octantis 6^m-5^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$1^h 41^m$	in s 0.01	−85° 10′	in ″ 0.01	$9^h 8^m$	in s 0.01	−85° 21′	in ″ 0.01	$12^h 46^m$	in s 0.01	−84° 41′	in ″ 0.01
März 15	28.30	−3	15.56	−9	39.99	+6	18.58	0	51.88	+3	42.03	+7
16	28.15	−5	15.22	−7	39.79	+6	18.88	−3	51.96	+5	42.40	+4
17	28.01	−6	14.89	−3	39.60	+4	19.18	−6	52.04	+6	42.77	0
18	27.87	−5	14.55	+1	39.39	+1	19.48	−7	52.11	+5	43.15	−4
19	27.73	−3	14.21	+5	39.19	−2	19.77	−6	52.18	+3	43.52	−7
20	27.60	0	13.87	+8	38.98	−5	20.06	−4	52.25	0	43.89	−8
21	27.47	+3	13.52	+8	38.77	−6	20.33	0	52.31	−3	44.27	−7
22	27.35	+5	13.17	+7	38.56	−6	20.61	+3	52.37	−5	44.64	−4
23	27.23	+5	12.82	+4	38.34	−5	20.89	+5	52.42	−5	45.02	−1
24	27.11	+5	12.47	+1	38.13	−2	21.16	+6	52.48	−5	45.39	+2
25	27.00	+4	12.12	−2	37.91	0	21.43	+5	52.52	−3	45.77	+4
26	26.89	+1	11.76	−4	37.68	+2	21.69	+3	52.57	0	46.15	+5
27	26.78	−1	11.41	−5	37.46	+4	21.95	0	52.61	+2	46.52	+4
28	26.68	−4	11.05	−4	37.23	+4	22.20	−3	52.65	+4	46.90	+2
29	26.58	−5	10.69	−3	37.00	+4	22.45	−5	52.68	+5	47.28	0
30	26.48	−6	10.32	−1	36.77	+3	22.70	−7	52.71	+6	47.65	−2
31	26.39	−5	9.96	+1	36.53	+1	22.94	−7	52.74	+5	48.03	−4
April 1	26.30	−4	9.60	+3	36.29	0	23.18	−6	52.76	+4	48.40	−5
2	26.21	−2	9.23	+5	36.05	−2	23.41	−5	52.78	+2	48.77	−6
3	26.13	0	8.87	+6	35.81	−3	23.65	−2	52.80	0	49.14	−5
4	26.05	+2	8.50	+6	35.57	−4	23.87	0	52.81	−2	49.51	−4
5	25.98	+4	8.13	+4	35.32	−4	24.09	+3	52.82	−4	49.89	−2
6	25.91	+5	7.77	+2	35.08	−3	24.31	+6	52.83	−6	50.26	+1
7	25.85	+6	7.40	−1	34.83	−2	24.53	+8	52.83	−6	50.64	+4
8	25.79	+5	7.02	−4	34.58	0	24.73	+9	52.83	−5	51.01	+7
9	25.73	+3	6.65	−7	34.32	+3	24.94	+8	52.83	−3	51.39	+9
10	25.68	+1	6.28	−9	34.07	+5	25.14	+5	52.82	−1	51.77	+9
11	25.63	−2	5.91	−9	33.81	+6	25.34	+1	52.81	+2	52.14	+8
12	25.58	−4	5.54	−7	33.55	+6	25.53	−2	52.80	+4	52.51	+5
13	25.54	−6	5.16	−4	33.29	+5	25.71	−5	52.78	+6	52.88	+1
14	25.51	−5	4.79	0	33.03	+2	25.89	−7	52.76	+5	53.24	−3
15	25.48	−4	4.42	+4	32.77	−1	26.07	−7	52.73	+4	53.60	−6
16	25.45	−2	4.05	+7	32.51	−4	26.24	−5	52.71	+1	53.96	−8
17	{25.42 25.40	+1 +4	3.67 3.30	+8 +8	32.24	−6	26.40	−2	52.67	−2	54.32	−8
18	25.39	+5	2.92	+5	31.97	−6	26.56	+2	52.64	−4	54.68	−5
19	25.38	+5	2.55	+2	31.71	−5	26.72	+5	52.60	−5	55.04	−2
20	25.37	+4	2.18	−1	31.44	−3	26.87	+6	52.56	−5	55.39	+1
21	25.37	+2	1.81	−3	31.17	−1	27.02	+6	52.52	−4	55.74	+3
sec δ, tg δ	85° 10′ 0″	11.868	−11.826		85° 21′ 20″	12.350	−12.309		84° 41′ 40″	10.815	−10.768	
	10	11.875	−11.833		30	12.357	−12.317		50	10.820	−10.774	

Tag	Octantis 20 G. 7^m				Octantis 26 G. 6^m-7^m				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$14^h 48^m$	in s 0.01	−87° 49′	in ″ 0.01	$16^h 31^m$	in s 0.01	−86° 13′	in ″ 0.01	$18^h 8^m$	in s 0.01	−87° 39′	in ″ 0.01
März 15	s 37.87	+ 2	″ 37.40	+ 9	s 24.48	− 3	″ 7.11	+ 9	s 44.23	−10	″ 23.67	+ 7
16	38.36	+ 8	37.67	+ 7	24.85	+ 1	7.23	+ 8	44.86	− 3	23.63	+ 8
17	38.85	+12	37.94	+ 3	25.23	+ 5	7.36	+ 5	45.50	+ 5	23.60	+ 7
18	39.33	+13	38.21	− 1	25.60	+ 8	7.49	+ 1	46.13	+10	23.57	+ 4
19	39.81	+10	38.49	− 5	25.97	+ 8	7.62	− 3	46.76	+13	23.54	0
20	40.28	+ 5	38.77	− 8	26.33	+ 7	7.76	− 6	47.39	+13	23.52	− 3
21	40.74	− 1	39.06	− 8	26.70	+ 3	7.90	− 8	48.02	+10	23.51	− 7
22	41.19	− 7	39.35	− 7	27.07	0	8.05	− 8	48.65	+ 4	23.50	− 8
23	41.64	−10	39.64	− 5	27.43	− 4	8.20	− 6	49.28	− 1	23.49	− 7
24	42.08	−11	39.93	− 1	27.79	− 5	8.35	− 4	49.92	− 6	23.49	− 5
25	42.51	− 8	40.22	+ 2	28.14	− 5	8.51	0	50.55	− 8	23.49	− 2
26	42.94	− 4	40.52	+ 4	28.50	− 4	8.68	+ 3	51.17	− 8	23.50	+ 2
27	43.36	+ 1	40.82	+ 5	28.85	− 2	8.84	+ 5	51.80	− 5	23.51	+ 5
28	43.77	+ 7	41.12	+ 5	29.20	+ 1	9.02	+ 6	52.43	− 2	23.53	+ 7
29	44.18	+11	41.43	+ 4	29.55	+ 4	9.19	+ 6	53.05	+ 2	23.56	+ 7
30	44.58	+13	41.74	+ 2	29.89	+ 6	9.37	+ 5	53.68	+ 6	23.59	+ 7
31	44.97	+13	42.05	− 1	30.23	+ 7	9.56	+ 2	54.30	+ 9	23.62	+ 5
April 1	45.35	+11	42.36	− 3	30.57	+ 7	9.75	0	54.92	+11	23.66	+ 2
2	45.73	+ 8	42.68	− 5	30.90	+ 6	9.94	− 2	55.54	+10	23.70	0
3	46.09	+ 3	43.00	− 6	31.23	+ 4	10.14	− 4	56.16	+ 9	23.75	− 3
4	46.45	− 2	43.32	− 6	31.56	+ 1	10.34	− 6	56.78	+ 5	23.80	− 5
5	46.80	− 8	43.64	− 5	31.89	− 2	10.54	− 6	57.39	0	23.86	− 7
6	47.15	−13	43.97	− 3	32.21	− 6	10.75	− 5	58.01	− 5	23.92	− 7
7	47.49	−15	44.29	0	32.53	− 9	10.96	− 3	58.62	−10	23.98	− 6
8	47.82	−16	44.62	+ 3	32.85	−10	11.17	0	59.23	−14	24.05	− 4
9	48.14	−13	44.95	+ 6	33.17	−10	11.39	+ 3	59.83	−16	24.12	− 1
10	48.45	− 7	45.28	+ 8	33.48	− 8	11.61	+ 6	60.44	−15	24.20	+ 3
11	48.75	− 1	45.61	+ 9	33.79	− 4	11.84	+ 8	61.04	−11	24.28	+ 6
12	49.05	+ 6	45.95	+ 7	34.09	0	12.07	+ 8	61.64	− 5	24.37	+ 8
13	49.34	+11	46.28	+ 4	34.39	+ 4	12.30	+ 6	62.24	+ 3	24.46	+ 8
14	49.62	+14	46.62	0	34.68	+ 8	12.53	+ 3	62.83	+ 9	24.56	+ 5
15	49.89	+12	46.96	− 4	34.97	+ 9	12.77	− 1	63.42	+13	24.66	+ 2
16	50.15	+ 8	47.29	− 7	35.26	+ 8	13.01	− 5	64.00	+14	24.77	− 2
17	50.41	+ 1	47.63	− 8	35.55	+ 5	13.25	− 8	64.59	+11	24.88	− 6
18	50.65	− 5	47.98	− 8	35.83	+ 1	13.50	− 8	65.16	+ 6	24.99	− 8
19	50.89	−10	48.32	− 6	36.11	− 3	13.75	− 7	65.74	0	25.11	− 8
20	51.12	−12	48.66	− 2	36.38	− 5	14.00	− 5	66.31	− 5	25.23	− 6
21	51.34	−10	49.01	+ 1	36.65	− 6	14.25	− 1	66.88	− 8	25.36	− 3

sec δ, tg δ									
	87° 49′ 40″	26.383	−26.364	86° 13′ 0″	15.155	−15.122	87° 39′ 20″	24.446	−24.425
	50	26.417	−26.398	10	15.166	−15.133	30	24.475	−24.454

Tag	σ Octantis 6ᵐ				β Octantis 4ᵐ.1				τ Octantis 6ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$19^h 33^m$ s	in s 0.01	$-89° 12'$ ″	in ″ 0.01	$22^h 37^m$ s	in s 0.01	$-81° 47'$ ″	in ″ 0.01	$23^h 16^m$ s	in s 0.01	$-87° 54'$ ″	in ″ 0.01
März 15	34.71	−37	31.29	+5	55.12	−5	33.71	−2	5.25	−16	49.02	−3
16	36.37	−20	31.11	+7	55.18	−4	33.35	+2	5.34	−14	48.64	+1
17	38.04	+1	30.94	+7	55.24	−2	32.98	+5	5.44	−10	48.25	+5
18	39.72	+21	30.77	+6	55.30	+1	32.62	+7	5.56	−2	47.87	+7
19	41.42	+35	30.61	+3	55.36	+3	32.26	+7	5.68	+5	47.50	+7
20	43.12	+41	30.45	−1	55.42	+4	31.90	+5	5.81	+12	47.12	+6
21	44.83	+37	30.29	−4	55.49	+5	31.54	+2	5.95	+16	46.74	+3
22	46.55	+25	30.14	−6	55.56	+4	31.18	−1	6.10	+16	46.36	0
23	48.28	+9	30.00	−7	55.63	+3	30.83	−4	6.26	+12	45.98	−3
24	50.01	−7	29.86	−6	55.71	+1	30.48	−5	6.42	+6	45.61	−4
25	51.75	−19	29.72	−3	55.78	−1	30.13	−5	6.59	−1	45.24	−5
26	53.49	−24	29.59	0	55.86	−2	29.78	−3	6.78	−7	44.87	−4
27	55.24	−23	29.47	+3	55.94	−3	29.44	−1	6.97	−11	44.50	−1
28	57.00	−16	29.35	+6	56.02	−3	29.09	+2	7.16	−13	44.13	+1
29	58.76	−6	29.23	+7	56.11	−2	28.75	+4	7.37	−12	43.76	+3
30	60.52	+6	29.12	+7	56.19	−1	28.41	+6	7.59	−9	43.40	+5
31	62.29	+16	29.01	+6	56.28	0	28.07	+7	7.81	−4	43.04	+6
April 1	64.06	+24	28.91	+4	56.37	+1	27.73	+6	8.04	0	42.68	+6
2	65.84	+28	28.81	+2	56.46	+2	27.40	+5	8.28	+5	42.32	+5
3	67.62	+28	28.72	−1	56.55	+3	27.07	+3	8.53	+9	41.97	+4
4	69.40	+23	28.63	−4	56.65	+3	26.74	0	8.79	+12	41.61	+1
5	71.19	+13	28.54	−6	56.75	+3	26.42	−3	9.05	+12	41.26	−2
6	72.98	−1	28.46	−8	56.85	+2	26.09	−6	9.32	+11	40.91	−5
7	74.78	−17	28.39	−8	56.95	0	25.77	−8	9.61	+7	40.56	−8
8	76.57	−32	28.32	−7	57.05	−1	25.46	−9	9.90	+1	40.22	−9
9	78.36	−42	28.26	−4	57.15	−3	25.14	−10	10.19	−5	39.87	−9
10	80.16	−45	28.20	0	57.26	−4	24.83	−6	10.50	−12	39.53	−7
11	81.95	−39	28.15	+4	57.37	−5	24.52	−3	10.81	−15	39.19	−4
12	83.75	−25	28.10	+6	57.48	−4	24.22	+1	11.13	−15	38.86	0
13	85.54	−5	28.06	+7	57.59	−2	23.91	+5	11.45	−12	38.53	+4
14	87.34	+15	28.02	+7	57.70	0	23.62	+7	11.79	−5	38.20	+7
15	89.13	+32	27.98	+4	57.82	+2	23.32	+8	12.13	+2	37.88	+8
16	90.92	+40	27.95	+1	57.93	+4	23.03	+6	12.47	+9	37.55	+7
17	92.71	+40	27.93	−3	58.05	+5	22.74	+3	12.83	+15	37.23	+4
18	94.49	+30	27.91	−6	58.17	+4	22.46	0	13.19	+16	36.92	+1
19	96.28	+14	27.89	−7	58.30	+3	22.18	−3	13.56	+14	36.60	−2
20	98.06	−3	27.88	−7	58.42	+1	21.90	−5	13.94	+8	36.29	−4
21	99.84	−16	27.88	−4	58.55	0	21.63	−5	14.32	+2	35.98	−5
sec δ, tg δ	89° 12′ 20″	72.123	−72.116		81° 47′ 20″	7.002	−6.930		87° 54′ 40″	27.435	−27.417	
	30	72.377	−72.369		30	7.004	−6.932		50	27.471	−27.453	

Tag	Octantis 4 G. 6^m AR.	☾ Gl.	Dekl.	☾ Gl.	ζ Octantis 6^m–5^m AR.	☾ Gl.	Dekl.	☾ Gl.	ι Octantis 6^m–5^m AR.	☾ Gl.	Dekl.	☾ Gl.
1921	1^h 41^m	in s 0.01	−85° 9′	in ″ 0.01	9^h 8^m	in s 0.01	−85° 21′	in ″ 0.01	12^h 46^m	in s 0.01	−84° 41′	in ″ 0.01
April 21	s 25.37	+ 2	″ 61.81	− 3	s 31.17	− 1	″ 27.02	+ 6	s 52.52	− 4	″ 55.74	+ 3
22	25.36	0	61.44	− 5	30.90	+ 1	27.16	+ 4	52.47	− 2	56.09	+ 5
23	25.37	− 3	61.07	− 5	30.63	+ 3	27.29	+ 1	52.42	+ 1	56.44	+ 5
24	25.38	− 4	60.70	− 4	30.36	+ 4	27.42	− 1	52.37	+ 3	56.78	+ 4
25	25.39	− 5	60.33	− 2	30.08	+ 4	27.55	− 4	52.31	+ 5	57.13	+ 2
26	25.40	− 5	59.97	0	29.81	+ 3	27.67	− 6	52.25	+ 5	57.47	− 1
27	25.43	− 4	59.60	+ 3	29.53	+ 2	27.78	− 7	52.18	+ 5	57.81	− 3
28	25.45	− 3	59.23	+ 4	29.26	0	27.89	− 7	52.12	+ 4	58.15	− 5
29	25.48	− 1	58.86	+ 5	28.98	− 1	28.00	− 6	52.04	+ 3	58.49	− 5
30	25.51	+ 1	58.50	+ 6	28.70	− 3	28.10	− 3	51.97	+ 1	58.82	− 6
Mai 1	25.55	+ 3	58.14	+ 5	28.42	− 4	28.19	− 1	51.89	− 1	59.15	− 5
2	25.58	+ 5	57.77	+ 3	28.15	− 4	28.28	+ 2	51.81	− 4	59.48	− 3
3	25.63	+ 6	57.41	0	27.87	− 4	28.37	+ 5	51.72	− 5	59.80	0
4	25.68	+ 5	57.06	− 3	27.59	− 3	28.45	+ 8	51.63	− 6	60.12	+ 3
5	25.73	+ 4	56.70	− 6	27.31	− 1	28.52	+ 9	51.54	− 6	60.44	+ 6
6	25.78	+ 2	56.34	− 8	27.04	+ 2	28.59	+ 8	51.45	− 4	60.75	+ 8
7	25.85	− 1	55.99	− 9	26.76	+ 4	28.65	+ 6	51.35	− 2	61.07	+ 9
8	25.91	− 3	55.63	− 8	26.48	+ 6	28.71	+ 3	51.26	+ 1	61.38	+ 8
9	25.98	− 5	55.28	− 6	26.20	+ 6	28.76	− 1	51.15	+ 4	61.69	+ 6
10	26.05	− 6	54.93	− 2	25.92	+ 5	28.81	− 4	51.05	+ 5	61.99	+ 2
11	26.13	− 5	54.59	+ 3	25.64	+ 3	28.85	− 7	50.94	+ 6	62.29	− 2
12	26.21	− 3	54.24	+ 6	25.37	0	28.88	− 8	50.83	+ 5	62.59	− 6
13	26.29	0	53.90	+ 8	25.09	− 3	28.91	− 6	50.72	+ 3	62.88	− 8
14	26.38	+ 3	53.56	+ 9	24.82	− 5	28.94	− 4	50.60	0	63.17	− 8
15	26.47	+ 5	53.22	+ 7	24.54	− 6	28.96	0	50.48	− 3	63.45	− 7
16	26.56	+ 5	52.89	+ 4	24.27	− 6	28.97	+ 3	50.36	− 5	63.74	− 4
17	26.66	+ 5	52.55	0	23.99	− 4	28.98	+ 5	50.24	− 5	64.01	− 1
18	26.76	+ 3	52.22	− 3	23.72	− 2	28.99	+ 6	50.11	− 4	64.29	+ 2
19	26.86	+ 1	51.89	− 5	23.44	+ 1	28.99	+ 5	49.98	− 3	64.56	+ 4
20	26.97	− 2	51.57	− 6	23.17	+ 3	28.98	+ 3	49.85	0	64.83	+ 5
21	27.08	− 4	51.24	− 5	22.90	+ 4	28.97	0	49.72	+ 2	65.09	+ 4
22	27.20	− 5	50.93	− 3	22.63	+ 4	28.95	− 3	49.58	+ 4	65.35	+ 2
23	27.32	− 5	50.61	− 1	22.36	+ 4	28.93	− 5	49.44	+ 5	65.61	0
24	27.45	− 5	50.30	+ 2	22.09	+ 3	28.90	− 7	49.29	+ 6	65.86	− 2
25	27.57	− 3	49.99	+ 4	21.82	+ 1	28.86	− 7	49.15	+ 5	66.11	− 4
26	27.71	− 2	49.68	+ 5	21.55	− 1	28.83	− 6	49.00	+ 3	66.35	− 5
27	27.84	0	49.37	+ 5	21.29	− 2	28.78	− 4	48.85	+ 1	66.59	− 6
28	27.98	+ 3	49.07	+ 5	21.03	− 4	28.73	− 1	48.70	− 1	66.82	− 5
sec δ, tg δ	85° 9′ 50″	11.862	−11.819		85° 21′ 20″	12.350	−12.309		84° 41′ 60″	10.826	−10.780	
	60	11.868	−11.826		30	12.357	−12.317		70	10.832	−10.785	

Tag	Octantis 20 G. 7^m				Octantis 26 G. 6^m-7^m				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$14^h 48^m$	in ^{s} 0.01	$-87° 49'$	in $''$ 0.01	$16^h 31^m$	in ^{s} 0.01	$-86° 13'$	in $''$ 0.01	$18^h 9^m$	in ^{s} 0.01	$-87° 39'$	in $''$ 0.01
April 21	$51^s.34$	−10	$49''.01$	+1	$36^s.65$	−6	$14''.25$	−1	$6^s.88$	−8	$25''.36$	−3
22	51.55	−7	49.35	+4	36.91	−5	14.51	+2	7.44	−9	25.49	0
23	51.76	−1	49.70	+5	37.18	−3	14.77	+5	7.99	−7	25.62	+3
24	51.95	+4	50.05	+6	37.43	0	15.03	+6	8.55	−4	25.76	+6
25	52.13	+9	50.40	+4	37.68	+3	15.30	+6	9.09	0	25.91	+7
26	52.31	+12	50.74	+3	37.93	+5	15.56	+5	9.64	+5	26.05	+7
27	52.48	+13	51.09	+1	38.18	+7	15.83	+3	10.18	+8	26.21	+6
28	52.63	+12	51.44	−2	38.41	+7	16.11	+1	10.71	+10	26.36	+3
29	52.78	+9	51.79	−4	38.65	+7	16.38	−1	11.24	+10	26.52	+1
30	52.92	+5	52.14	−5	38.88	+5	16.66	−4	11.77	+9	26.69	−2
Mai 1	53.05	0	52.49	−6	39.10	+2	16.94	−5	12.29	+6	26.86	−4
2	53.17	−6	52.84	−5	39.32	−1	17.22	−6	12.81	+2	27.03	−6
3	53.29	−11	53.18	−3	39.54	−5	17.51	−6	13.32	−3	27.21	−7
4	53.39	−15	53.53	−1	39.76	−8	17.79	−4	13.83	−8	27.39	−7
5	53.49	−16	53.88	+2	39.97	−10	18.08	−1	14.33	−13	27.58	−5
6	53.58	−14	54.23	+5	40.17	−10	18.37	+2	14.82	−16	27.76	−2
7	53.65	−10	54.57	+8	40.37	−9	18.66	+5	15.31	−16	27.96	+2
8	53.72	−3	54.92	+9	40.56	−6	18.96	+7	15.79	−13	28.15	+5
9	53.78	+4	55.26	+8	40.75	−2	19.25	+8	16.27	−7	28.35	+7
10	53.83	+10	55.61	+5	40.93	+3	19.55	+7	16.74	0	28.55	+8
11	53.87	+14	55.95	+2	41.11	+7	19.85	+4	17.20	+7	28.75	+7
12	53.90	+14	56.30	−3	41.28	+9	20.15	0	17.66	+12	28.96	+4
13	53.93	+11	56.64	−6	41.45	+9	20.45	−4	18.11	+15	29.17	0
14	53.94	+5	56.98	−8	41.61	+7	20.76	−7	18.56	+14	29.39	−4
15	53.95	−2	57.32	−9	41.77	+3	21.06	−8	18.99	+9	29.61	−7
16	53.95	−7	57.66	−7	41.92	−1	21.37	−8	19.42	+4	29.83	−8
17	53.93	−11	58.00	−4	42.07	−4	21.67	−6	19.85	−2	30.05	−7
18	53.91	−11	58.34	0	42.21	−6	21.98	−3	20.27	−7	30.28	−4
19	53.88	−8	58.68	+3	42.35	−6	22.29	+1	20.68	−9	30.51	−1
20	53.84	−3	59.01	+5	42.48	−4	22.60	+4	21.08	−8	30.75	+2
21	53.79	+2	59.35	+6	42.61	−1	22.91	+6	21.48	−6	30.99	+5
22	53.73	+7	59.68	+5	42.73	+2	23.23	+7	21.87	−2	31.23	+7
23	53.67	+11	60.01	+4	42.84	+4	23.54	+6	22.25	+3	31.47	+7
24	53.59	+13	60.34	+1	42.95	+6	23.85	+4	22.63	+7	31.72	+6
25	53.50	+13	60.67	−1	43.06	+7	24.17	+2	22.99	+9	31.97	+4
26	53.41	+10	60.99	−3	43.16	+7	24.48	−1	23.35	+10	32.22	+2
27	53.31	+6	61.32	−5	43.25	+6	24.79	−3	23.71	+10	32.48	−1
28	53.19	+1	61.64	−5	43.34	+3	25.11	−5	24.05	+7	32.74	−3
sec δ, tg δ	87° 49′ 50″	26.417	−26.398		86° 13′ 10″	15.166	−15.133		87° 39′ 20″	24.446	−24.425	
	60	26.451	−26.432		20	15.178	−15.145		30	24.475	−24.454	

Tag	σ Octantis 6^m				β Octantis 4^m.1				τ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	19^h 34^m	in ^{s} 0.01	−89° 12′	in ″ 0.01	22^h 37^m	in ^{s} 0.01	−81° 47′	in ″ 0.01	23^h 16^m	in ^{s} 0.01	−87° 54′	in ″ 0.01
April 21	39^s.84	−16	27″.88	− 4	58^s.55	0	21″.63	− 5	14^s.32	+ 2	35″.98	− 5
22	41.62	−24	27.88	− 1	58.67	− 2	21.36	− 4	14.71	− 4	35.68	− 5
23	43.39	−26	27.88	+ 2	58.80	− 3	21.10	− 2	15.11	−10	35.38	− 3
24	45.16	−21	27.89	+ 5	58.93	− 3	20.83	+ 1	15.51	−12	35.09	0
25	46.92	−11	27.90	+ 7	59.06	− 3	20.58	+ 3	15.92	−13	34.80	+ 2
26	48.67	0	27.92	+ 7	59.19	− 2	20.32	+ 5	16.33	−10	34.51	+ 4
27	50.42	+11	27.95	+ 7	59.33	− 1	20.07	+ 6	16.75	− 7	34.22	+ 6
28	52.16	+21	27.98	+ 5	59.46	+ 1	19.82	+ 7	17.18	− 2	33.94	+ 6
29	53.90	+26	28.01	+ 3	59.59	+ 2	19.58	+ 6	17.62	+ 2	33.66	+ 6
30	55.63	+27	28.05	0	59.73	+ 3	19.34	+ 4	18.06	+ 7	33.39	+ 4
Mai 1	57.35	+24	28.10	− 3	59.87	+ 3	19.11	+ 1	18.51	+10	33.12	+ 2
2	59.07	+16	28.15	− 5	60.01	+ 3	18.88	− 2	18.96	+12	32.85	− 1
3	60.78	+ 4	28.20	− 7	60.15	+ 2	18.65	− 5	19.42	+11	32.59	− 4
4	62.48	−12	28.26	− 8	60.29	+ 1	18.43	− 7	19.88	+ 9	32.33	− 7
5	64.17	−27	28.32	− 7	60.43	− 1	18.21	− 9	20.35	+ 3	32.08	− 9
6	65.86	−39	28.39	− 5	60.57	− 2	18.00	− 9	20.82	− 3	31.83	− 9
7	67.53	−45	28.46	− 1	60.72	− 4	17.79	− 7	21.30	− 9	31.59	− 8
8	69.20	−42	28.54	+ 2	60.87	− 5	17.59	− 4	21.78	−13	31.35	− 5
9	70.85	−30	28.62	+ 5	61.01	− 4	17.39	0	22.27	−15	31.11	− 1
10	72.50	−12	28.71	+ 7	61.16	− 3	17.19	+ 4	22.76	−13	30.88	+ 3
11	74.13	+ 9	28.80	+ 7	61.31	− 1	17.00	+ 6	23.26	− 8	30.65	+ 6
12	75.76	+28	28.90	+ 6	61.46	+ 1	16.81	+ 8	23.76	− 1	30.43	+ 8
13	77.37	+41	29.00	+ 3	61.61	+ 3	16.63	+ 7	24.27	+ 7	30.22	+ 8
14	78.96	+44	29.10	− 1	61.76	+ 5	16.46	+ 5	24.78	+13	30.00	+ 6
15	80.55	+37	29.21	− 5	61.91	+ 5	16.29	+ 2	25.30	+16	29.80	+ 3
16	82.13	+23	29.33	− 7	62.06	+ 4	16.12	− 2	25.82	+15	29.59	0
17	83.69	+ 5	29.45	− 7	62.22	+ 2	15.96	− 4	26.35	+11	29.39	− 3
18	85.24	−11	29.57	− 5	62.38	0	15.81	− 5	26.88	+ 5	29.20	− 5
19	86.77	−22	29.70	− 3	62.53	− 1	15.66	− 5	27.41	− 2	29.01	− 5
20	88.29	−27	29.83	+ 1	62.69	− 3	15.51	− 3	27.95	− 8	28.82	− 4
21	89.80	−24	29.97	+ 4	62.85	− 3	15.37	0	28.49	−12	28.64	− 2
22	91.29	−16	30.11	+ 6	63.00	− 3	15.24	+ 1	29.04	−13	28.47	+ 1
23	92.77	− 5	30.25	+ 7	63.16	− 2	15.11	+ 5	29.59	−11	28.30	+ 3
24	94.23	+ 7	30.40	+ 7	63.32	− 1	14.98	+ 6	30.14	− 8	28.13	+ 5
25	95.68	+17	30.55	+ 6	63.48	0	14.86	+ 7	30.69	− 4	27.97	+ 6
26	97.11	+24	30.71	+ 4	63.63	+ 1	14.75	+ 6	31.25	+ 1	27.82	+ 6
27	98.52	+27	30.87	+ 1	63.79	+ 2	14.64	+ 4	31.81	+ 6	27.67	+ 5
28	99.92	+25	31.04	− 2	63.95	+ 3	14.53	+ 2	32.37	+ 9	27.52	+ 3
sec δ. tg δ	89° 12′ 20″	72.123	−72.116		81° 47′ 10″	6.999	−6.928		87° 54′ 30″	27.398	−27.380	
	30	72.377	−72.369		20	7.002	−6.930		40	27.435	−27.417	

Tag	Octantis 4 G. 6ᵐ				ζ Octantis 6ᵐ – 5ᵐ				ι Octantis 6ᵐ – 5ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$1^h 41^m$	in s 0.01	−85° 9′	in ″ 0.01	$9^h 8^m$	in s 0.01	−85° 21′	in ″ 0.01	$12^h 46^m$	in s 0.01	−84° 42′	in ″ 0.01
Mai 28	27.98	+ 3	49.07	+ 5	21.03	− 4	28.73	− 1	48.70	− 1	6.82	− 5
29	28.12	+ 4	48.77	+ 3	20.76	− 4	28.68	+ 1	48.54	− 3	7.05	− 3
30	28.26	+ 5	48.48	+ 1	20.50	− 4	28.62	+ 4	48.38	− 5	7.28	− 1
31	28.41	+ 6	48.19	− 2	20.24	− 3	28.55	+ 7	48.22	− 6	7.50	+ 2
Juni 1	28.56	+ 5	47.90	− 5	19.98	− 1	28.48	+ 8	48.06	− 6	7.71	+ 5
2	28.71	+ 3	47.62	− 8	19.72	+ 1	28.41	+ 9	47.89	− 5	7.93	+ 8
3	28.87	0	47.34	− 9	19.47	+ 3	28.33	+ 8	47.72	− 3	8.13	+ 9
4	29.03	− 2	47.06	− 9	19.21	+ 5	28.24	+ 5	47.55	0	8.33	+ 9
5	29.20	− 4	46.79	− 7	18.96	+ 6	28.15	+ 1	47.38	+ 2	8.53	+ 7
6	29.36	− 6	46.52	− 3	18.71	+ 6	28.06	− 3	47.21	+ 4	8.73	+ 4
7	29.53	− 5	46.25	+ 1	18.46	+ 4	27.96	− 6	47.04	+ 6	8.91	0
8	29.71	− 4	45.99	+ 5	18.21	+ 1	27.85	− 8	46.86	+ 5	9.10	− 4
9	29.89	− 1	45.73	+ 8	17.97	− 2	27.74	− 7	46.68	+ 4	9.28	− 7
10	30.06	+ 2	45.48	+ 9	17.73	− 5	27.62	− 5	46.50	+ 1	9.45	− 9
11	30.25	+ 4	45.24	+ 8	17.49	− 6	27.50	− 2	46.32	− 2	9.62	− 8
12	30.43	+ 5	44.99	+ 6	17.25	− 7	27.38	+ 2	46.14	− 4	9.79	− 6
13	30.62	+ 5	44.76	+ 2	17.01	− 5	27.25	+ 4	45.95	− 5	9.95	− 3
14	30.81	+ 4	44.52	− 1	16.78	− 3	27.11	+ 6	45.76	− 5	10.10	+ 1
15	31.00	+ 2	44.29	− 3	16.55	− 1	26.97	+ 5	45.57	− 3	10.25	+ 3
16	31.19	− 1	44.07	− 5	16.32	+ 2	26.82	+ 4	45.38	− 1	10.39	+ 5
17	31.39	− 3	43.85	− 5	16.10	+ 4	26.67	+ 1	45.19	+ 1	10.53	+ 5
18	31.59	− 5	43.63	− 4	15.88	+ 4	26.51	− 2	45.00	+ 4	10.66	+ 3
19	31.80	− 5	43.42	− 1	15.66	+ 4	26.35	− 5	44.80	+ 5	10.79	+ 1
20	32.00	− 5	43.21	+ 1	15.44	+ 3	26.19	− 6	44.60	+ 6	10.91	− 1
21	32.21	− 4	43.01	+ 3	15.23	+ 2	26.02	− 7	44.40	+ 5	11.02	− 3
22	32.42	− 2	42.81	+ 5	15.02	0	25.84	− 7	44.21	+ 4	11.13	− 5
23	32.64	0	42.62	+ 5	14.81	− 2	25.67	− 5	44.01	+ 2	11.24	− 6
24	32.85	+ 2	42.43	+ 5	14.61	− 3	25.48	− 3	43.80	0	11.34	− 5
25	33.07	+ 3	42.25	+ 4	14.40	− 4	25.30	0	43.60	− 2	11.43	− 4
26	33.29	+ 5	42.07	+ 2	14.20	− 4	25.11	+ 3	43.40	− 4	11.52	− 2
27	33.51	+ 6	41.90	− 1	14.01	− 3	24.91	+ 6	43.19	− 5	11.61	+ 1
28	33.73	+ 5	41.73	− 4	13.81	− 2	24.71	+ 8	42.99	− 6	11.69	+ 4
29	33.95	+ 4	41.57	− 7	13.62	0	24.51	+ 9	42.78	− 6	11.76	+ 7
30	34.18	+ 2	41.41	− 9	13.43	+ 3	24.30	+ 9	42.57	− 4	11.83	+ 9
Juli 1	34.41	− 1	41.26	−10	13.25	+ 5	24.09	+ 6	42.36	− 2	11.89	+10
2	34.64	− 3	41.12	− 9	13.07	+ 6	23.87	+ 3	42.16	+ 1	11.95	+ 9
3	34.87	− 5	40.98	− 6	12.89	+ 6	23.65	− 1	41.95	+ 4	12.00	+ 6
4	35.10	− 6	40.84	− 2	12.72	+ 5	23.42	− 4	41.74	+ 5	12.04	+ 2
sec δ. tg δ	85° 9′ 40″	11.855	−11.813		85° 21′ 20″	12.350	−12.309		84° 42′ 10″	10.832	−10.785	
	50	11.862	−11.819		30	12.357	−12.317		20	10.837	−10.791	

Tag	Octantis 20 G. 7^m				Octantis 26 G. 6^m-7^m				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$14^h 48^m$	in s 0.01	$-87° 50'$	in ″ 0.01	$16^h 31^m$	in s 0.01	$-86° 13'$	in ″ 0.01	$18^h 9^m$	in s 0.01	$-87° 39'$	in ″ 0.01
Mai 28	53.19	+ 1	1.64	− 5	43.34	+ 3	25.11	− 5	24.05	+ 7	32.74	− 3
29	53.07	− 4	1.96	− 5	43.43	0	25.42	− 6	24.39	+ 3	33.00	− 6
30	52.94	−10	2.28	− 4	43.51	− 3	25.74	− 6	24.72	− 2	33.26	− 7
31	52.80	−14	2.60	− 2	43.58	− 7	26.06	− 5	25.04	− 7	33.53	− 7
Juni 1	52.65	−16	2.91	+ 1	43.65	−10	26.37	− 2	25.36	−12	33.79	− 6
2	52.49	−16	3.22	+ 4	43.71	−11	26.69	+ 1	25.66	−16	34.07	− 3
3	52.32	−13	3.53	+ 7	43.76	−10	27.00	+ 4	25.96	−17	34.34	0
4	52.15	− 7	3.83	+ 9	43.81	− 8	27.32	+ 7	26.25	−15	34.61	+ 4
5	51.97	0	4.14	+ 9	43.86	− 4	27.63	+ 8	26.53	−10	34.89	+ 6
6	51.77	+ 7	4.44	+ 7	43.90	+ 1	27.95	+ 8	26.80	− 3	35.17	+ 8
7	51.57	+12	4.73	+ 3	43.94	+ 5	28.26	+ 6	27.07	+ 5	35.44	+ 7
8	51.37	+14	5.03	− 1	43.97	+ 8	28.58	+ 2	27.32	+11	35.73	+ 5
9	51.15	+13	5.32	− 5	43.99	+ 9	28.89	− 2	27.57	+15	36.01	+ 1
10	50.93	+ 8	5.61	− 8	44.01	+ 8	29.20	− 6	27.81	+15	36.30	− 3
11	50.69	+ 2	5.90	− 9	44.02	+ 5	29.52	− 8	28.04	+12	36.59	− 6
12	50.45	− 5	6.18	− 8	44.03	+ 1	29.83	− 9	28.26	+ 7	36.87	− 8
13	50.21	− 9	6.46	− 6	44.03	− 2	30.14	− 7	28.47	+ 1	37.16	− 8
14	49.95	−11	6.74	− 2	44.03	− 5	30.45	− 4	28.67	− 4	37.46	− 6
15	49.68	− 9	7.01	+ 1	44.02	− 6	30.76	− 1	28.87	− 8	37.75	− 3
16	49.41	− 5	7.28	+ 4	44.00	− 5	31.06	+ 3	29.05	− 8	38.04	+ 1
17	49.13	0	7.55	+ 5	43.98	− 2	31.37	+ 5	29.23	− 7	38.34	+ 4
18	48.84	+ 6	7.81	+ 6	43.95	0	31.68	+ 7	29.39	− 3	38.63	+ 6
19	48.54	+10	8.07	+ 4	43.92	+ 4	31.98	+ 6	29.55	+ 1	38.93	+ 7
20	48.24	+13	8.33	+ 2	43.88	+ 6	32.28	+ 5	29.70	+ 5	39.23	+ 7
21	47.92	+13	8.58	0	43.83	+ 7	32.59	+ 3	29.84	+ 9	39.53	+ 5
22	47.60	+11	8.83	− 2	43.78	+ 7	32.88	0	29.97	+10	39.83	+ 3
23	47.28	+ 8	9.07	− 4	43.73	+ 7	33.18	− 2	30.09	+10	40.13	0
24	46.94	+ 4	9.31	− 5	43.67	+ 4	33.48	− 4	30.20	+ 8	40.43	− 2
25	46.60	− 2	9.55	− 5	43.60	+ 1	33.77	− 5	30.31	+ 5	40.73	− 5
26	46.25	− 7	9.78	− 4	43.53	− 2	34.06	− 6	30.40	0	41.04	− 6
27	45.90	−13	10.01	− 2	43.46	− 6	34.36	− 5	30.49	− 5	41.34	− 7
28	45.53	−16	10.23	0	43.38	− 9	34.64	− 3	30.56	−11	41.64	− 6
29	45.16	−17	10.45	+ 3	43.29	−11	34.93	− 1	30.63	−15	41.94	− 4
30	44.78	−15	10.66	+ 6	43.20	−11	35.22	+ 3	30.68	−18	42.24	− 1
Juli 1	44.40	−10	10.87	+ 9	43.10	−10	35.50	+ 6	30.73	−17	42.54	+ 2
2	44.01	− 4	11.08	+ 9	42.99	− 6	35.78	+ 8	30.77	−14	42.85	+ 5
3	43.61	+ 4	11.28	+ 8	42.88	− 2	36.05	+ 8	30.80	− 8	43.15	+ 7
4	43.21	+10	11.48	+ 5	42.77	+ 3	36.33	+ 7	30.81	0	43.45	+ 8
sec δ, tg δ	87° 50′ 0″	26.451	−26.432		86° 13′ 30″	15.189	−15.156		87° 39′ 30″	24.475	−24.454	
	10	26.484	−26.466		40	15.200	−15.167		40	24.504	−24.483	

Tag	σ Octantis 6ᵐ				β Octantis 4ᵐ.1				τ Octantis 6ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$19^h 35^m$	in s 0.01	−89° 12′	in ″ 0.01	$22^h 38^m$	in s 0.01	−81° 47′	in ″ 0.01	$23^h 16^m$	in s 0.01	−87° 54′	in ″ 0.01
	s		″		s		″		s		″	
Mai 28	39.92	+25	31.04	−2	3.95	+3	14.53	+2	32.37	+9	27.52	+3
29	41.30	+18	31.21	−5	4.11	+3	14.43	−1	32.93	+11	27.38	0
30	42.67	+7	31.39	−7	4.27	+2	14.34	−4	33.50	+12	27.25	−3
31	44.02	−8	31.57	−8	4.43	+1	14.25	−7	34.07	+9	27.12	−6
Juni 1	45.34	−23	31.75	−8	4.59	0	14.17	−9	34.65	+5	27.00	−8
2	46.65	−37	31.94	−6	4.75	−2	14.09	−10	35.22	−1	26.88	−10
3	47.95	−45	32.13	−3	4.91	−3	14.02	−9	35.80	−7	26.77	−9
4	49.22	−46	32.32	0	5.07	−4	13.95	−6	36.38	−12	26.67	−7
5	50.48	−37	32.52	+4	5.23	−5	13.89	−2	36.95	−15	26.56	−4
6	51.72	−21	32.72	+7	5.39	−4	13.83	+2	37.53	−14	26.47	+1
7	52.93	0	32.93	+8	5.55	−2	13.78	+6	38.12	−10	26.38	+5
8	54.13	+21	33.14	+7	5.71	0	13.73	+8	38.70	−4	26.29	+8
9	55.31	+38	33.36	+4	5.87	+3	13.69	+8	39.28	+4	26.21	+9
10	56.47	+46	33.57	0	6.03	+4	13.66	+7	39.87	+11	26.13	+8
11	57.60	+44	33.79	−3	6.19	+5	13.63	+4	40.45	+16	26.06	+5
12	58.72	+32	34.01	−6	6.35	+4	13.61	0	41.04	+16	26.00	+2
13	59.81	+15	34.24	−7	6.51	+3	13.59	−3	41.63	+13	25.94	−2
14	60.88	−2	34.47	−6	6.67	+1	13.58	−5	42.21	+8	25.89	−4
15	61.93	−16	34.70	−4	6.83	−1	13.57	−5	42.80	+1	25.85	−5
16	62.95	−24	34.94	−1	6.99	−2	13.57	−4	43.39	−6	25.81	−4
17	63.96	−25	35.18	+3	7.14	−3	13.57	−1	43.97	−11	25.77	−2
18	64.94	−19	35.42	+5	7.30	−3	13.58	+1	44.56	−13	25.74	0
19	65.90	−9	35.67	+7	7.46	−3	13.59	+4	45.14	−12	25.72	+3
20	66.84	+3	35.92	+7	7.62	−2	13.61	+6	45.73	−10	25.70	+5
21	67.75	+14	36.18	+6	7.77	0	13.64	+6	46.31	−6	25.69	+6
22	68.64	+23	36.43	+5	7.93	+1	13.67	+6	46.89	−1	25.68	+6
23	69.50	+27	36.69	+2	8.08	+2	13.70	+5	47.48	+4	25.68	+6
24	70.34	+27	36.95	−1	8.23	+3	13.75	+3	48.06	+8	25.69	+4
25	71.16	+21	37.21	−3	8.39	+3	13.79	0	48.64	+10	25.70	+1
26	71.95	+11	37.48	−6	8.54	+3	13.84	−3	49.22	+11	25.71	−2
27	72.72	−2	37.75	−8	8.68	+2	13.90	−6	49.80	+10	25.74	−5
28	73.46	−19	38.02	−8	8.83	0	13.96	−8	50.37	+7	25.77	−8
29	74.18	−34	38.29	−7	8.98	−1	14.03	−10	50.95	+2	25.80	−10
30	74.87	−45	38.56	−5	9.13	−3	14.10	−10	51.52	−5	25.84	−10
Juli 1	75.53	−50	38.84	−1	9.27	−4	14.18	−8	52.09	−11	25.89	−9
2	76.17	−45	39.12	+2	9.42	−5	14.27	−5	52.65	−14	25.94	−6
3	76.78	−32	39.40	+5	9.56	−4	14.36	−1	53.21	−15	25.99	−2
4	77.37	−12	39.68	+7	9.70	−3	14.45	+4	53.77	−13	26.05	+3

sec δ, tg δ								
	89° 12′ 30″	72.377	−72.369	81° 47′ 10″	6.999	−6.928	87° 54′ 20″	27.362	−27.344
	40	72.631	−72.624	20	7.002	−6.930	30	27.398	−27.380

Tag	Octantis 4 G. 6^m				ζ Octantis $6^m - 5^m$				ι Octantis $6^m - 5^m$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$1^h 41^m$	in s 0.01	−85° 9′	in ″ 0.01	$9^h 8^m$	in s 0.01	−85° 21′	in ″ 0.01	$12^h 46^m$	in s 0.01	−84° 42′	in ″ 0.01
Juli 4	s 35.10	− 6	″ 40.84	− 2	s 12.72	+ 5	″ 23.42	− 4	s 41.74	+ 5	″ 12.04	+ 2
5	35.33	− 5	40.71	+ 3	12.55	+ 3	23.20	− 7	41.53	+ 6	12.08	− 2
6	35.57	− 2	40.59	+ 7	12.38	0	22.96	− 7	41.32	+ 5	12.12	− 6
7	35.81	0	40.47	+ 9	12.22	− 3	22.73	− 6	41.11	+ 2	12.14	− 8
8	36.05	+ 3	40.35	+ 9	12.06	− 5	22.49	− 3	40.90	− 1	12.16	− 9
9	36.29	+ 5	40.24	+ 7	11.90	− 6	22.25	0	40.69	− 3	12.18	− 7
10	36.53	+ 5	40.14	+ 4	11.75	− 6	22.00	+ 3	40.48	− 5	12.19	− 4
11	36.77	+ 4	40.04	+ 1	11.60	− 4	21.75	+ 5	40.27	− 5	12.20	− 1
12	37.01	+ 2	39.95	− 2	11.46	− 2	21.50	+ 5	40.06	− 4	12.20	+ 2
13	37.26	0	39.87	− 4	11.32	+ 1	21.24	+ 4	39.85	− 2	12.19	+ 4
14	37.50	− 2	39.79	− 5	11.18	+ 3	20.98	+ 2	39.64	+ 1	12.18	+ 4
15	37.75	− 4	39.71	− 4	11.05	+ 4	20.72	− 1	39.43	+ 3	12.16	+ 3
16	38.00	− 5	39.65	− 2	10.92	+ 4	20.46	− 4	39.22	+ 5	12.14	+ 1
17	38.25	− 5	39.59	0	10.79	+ 3	20.19	− 6	39.01	+ 6	12.11	− 1
18	38.49	− 5	39.53	+ 3	10.67	+ 2	19.92	− 7	38.80	+ 6	12.07	− 3
19	38.74	− 3	39.48	+ 5	10.55	0	19.65	− 7	38.58	+ 5	12.03	− 5
20	38.98	− 1	39.43	+ 5	10.44	− 1	19.37	− 6	38.37	+ 3	11.98	− 6
21	39.23	+ 1	39.39	+ 6	10.33	− 3	19.09	− 4	38.16	+ 1	11.93	− 6
22	39.48	+ 3	39.36	+ 5	10.23	− 4	18.81	− 1	37.95	− 1	11.87	− 5
23	39.73	+ 4	39.34	+ 3	10.13	− 4	18.53	+ 2	37.74	− 3	11.80	− 3
24	39.98	+ 5	39.32	0	10.03	− 4	18.24	+ 5	37.53	− 5	11.73	0
25	40.23	+ 5	39.30	− 3	9.94	− 3	17.96	+ 7	37.32	− 6	11.66	+ 3
26	40.48	+ 5	39.29	− 6	9.85	− 1	17.67	+ 9	37.12	− 6	11.58	+ 6
27	40.73	+ 3	39.29	− 9	9.77	+ 2	17.38	+ 9	36.92	− 5	11.49	+ 9
28	40.98	0	39.29	−10	9.69	+ 4	17.08	+ 8	36.71	− 3	11.40	+10
29	41.23	− 2	39.30	−10	9.62	+ 6	16.79	+ 5	36.51	0	11.31	+10
30	41.48	− 4	39.31	− 8	9.55	+ 7	16.49	+ 1	36.31	+ 2	11.21	+ 8
31	41.73	− 5	39.34	− 4	9.49	+ 6	16.19	− 2	36.11	+ 4	11.10	+ 5
Aug. 1	41.98	− 5	39.36	0	9.43	+ 4	15.89	− 5	35.91	+ 5	10.99	0
2	42.22	− 3	39.40	+ 4	9.38	+ 1	15.58	− 7	35.72	+ 5	10.87	− 4
3	42.47	− 1	39.44	+ 7	9.33	− 2	15.28	− 6	35.52	+ 3	10.74	− 7
4	42.71	+ 2	39.48	+ 9	9.28	− 5	14.97	− 4	35.33	0	10.62	− 8
5	42.96	+ 4	39.53	+ 8	9.24	− 6	14.67	− 1	35.13	− 2	10.48	− 8
6	43.20	+ 5	39.59	+ 5	9.20	− 6	14.36	+ 2	34.94	− 4	10.34	− 5
7	43.44	+ 5	39.65	+ 2	9.17	− 5	14.05	+ 4	34.75	− 5	10.20	− 2
8	43.68	+ 3	39.72	− 1	{ 9.14 9.12	− 3 − 1	13.74 13.43	+ 5 + 5	34.56	− 5	10.05	+ 1
9	43.92	+ 1	39.79	− 3	9.10	+ 2	13.11	+ 2	34.37	− 3	9.90	+ 3
10	44.16	− 2	39.87	− 4	9.09	+ 4	12.80	0	34.19	0	9.74	+ 4
sec δ, tg δ	85° 9′ 30″	11.848	−11.806		85° 21′ 10″	12.343	−12.302		84° 42′ 10″	10.832	−10.785	
	40	11.855	−11.813		20	12.350	−12.309		20	10.837	−10.791	

Tag	Octantis 20 G. 7^m				Octantis 26 G. $6^m - 7^m$				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$14^h 48^m$	in s 0.01	−87° 50′	in ″ 0.01	$16^h 31^m$	in s 0.01	−86° 13′	in ″ 0.01	$18^h 9^m$	in s 0.01	−87° 39′	in ″ 0.01
Juli 4	43.21	+10	11.48	+5	42.77	+3	36.33	+7	30.81	0	43.45	+8
5	42.81	+13	11.67	+1	42.65	+7	36.60	+4	30.82	+7	43.75	+6
6	42.39	+13	11.86	−3	42.52	+9	36.87	0	30.82	+13	44.06	+3
7	41.97	+10	12.04	−7	42.39	+9	37.14	−4	30.81	+15	44.36	−1
8	41.55	+5	12.22	−9	42.26	+7	37.40	−7	30.79	+14	44.67	−5
9	41.12	−2	12.40	−9	42.12	+3	37.66	−9	30.77	+10	44.97	−7
10	40.68	−7	12.57	−7	41.98	0	37.92	−8	30.74	+4	45.27	−8
11	40.24	−10	12.73	−4	41.83	−4	38.17	−6	30.69	−1	45.57	−7
12	39.79	−10	12.89	−1	41.67	−5	38.43	−3	30.64	−6	45.87	−4
13	39.34	−6	13.05	+3	41.51	−5	38.67	+1	30.57	−7	46.17	0
14	38.88	−1	13.20	+5	41.35	−3	38.92	+4	30.50	−7	46.46	+3
15	38.42	+4	13.34	+5	41.18	0	39.16	+6	30.41	−4	46.76	+6
16	37.95	+9	13.48	+5	41.00	+3	39.40	+7	30.32	0	47.05	+7
17	37.48	+13	13.62	+3	40.82	+5	39.63	+5	30.22	+4	47.35	+7
18	37.00	+14	13.75	0	40.64	+7	39.86	+3	30.10	+8	47.64	+6
19	36.52	+13	13.87	−2	40.45	+8	40.09	+1	29.98	+10	47.93	+4
20	36.03	+10	13.99	−4	40.26	+7	40.31	−1	29.85	+11	48.22	+1
21	35.55	+6	14.10	−5	40.06	+5	40.53	−4	29.71	+10	48.50	−2
22	35.05	0	14.21	−6	39.86	+3	40.75	−5	29.56	+7	48.78	−4
23	34.56	−5	14.31	−5	39.65	0	40.96	−6	29.40	+3	49.06	−6
24	34.06	−11	14.40	−3	39.44	−4	41.16	−6	29.23	−3	49.34	−7
25	33.56	−15	14.50	−1	39.23	−8	41.37	−4	29.05	−8	49.62	−7
26	33.05	−17	14.58	+2	39.01	−10	41.56	−2	28.86	−14	49.90	−5
27	32.54	−16	14.66	+5	38.79	−12	41.76	+1	28.67	−17	50.17	−3
28	32.03	−13	14.74	+8	38.56	−11	41.95	+5	28.46	−19	50.44	0
29	31.51	−7	14.81	+10	38.33	−8	42.13	+7	28.25	−16	50.71	+4
30	30.99	0	14.87	+9	38.10	−4	42.31	+9	28.03	−12	50.98	+7
31	30.46	+6	14.93	+7	37.86	0	42.49	+8	27.80	−5	51.24	+8
Aug. 1	29.94	+11	14.98	+4	37.62	+4	42.66	+6	27.56	+3	51.50	+7
2	29.42	+13	15.03	−1	37.37	+7	42.83	+2	27.32	+9	51.76	+4
3	28.89	+11	15.07	−5	37.12	+8	42.99	−2	27.06	+13	52.01	+1
4	28.36	+6	15.10	−8	36.87	+7	43.15	−6	26.80	+14	52.27	−3
5	27.83	0	15.13	−9	36.62	+4	43.30	−8	26.53	+11	52.52	−6
6	27.30	−5	15.15	−8	36.36	+1	43.45	−9	26.25	+6	52.76	−8
7	26.77	−9	15.17	−5	36.10	−2	43.60	−7	25.97	+1	53.01	−7
8	26.24	−10	15.18	−2	35.83	−5	43.74	−4	25.67	−4	53.25	−5
9	25.71	−8	15.19	+1	35.56	−5	43.87	0	25.37	−7	53.49	−2
10	25.17	−3	15.19	+4	35.29	−3	44.00	+3	25.06	−7	53.72	+2
sec δ, tg δ	87° 50′ 10″	26.484	−26.466		86° 13′ 40″	15.200	−15.167		87° 39′ 40″	24.504	−24.483	
	20	26.518	−26.500		50	15.211	−15.178		50	24.533	−24.513	

Tag	σ Octantis 6ᵐ				β Octantis 4ᵐ.1				τ Octantis 6ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	19ʰ 36ᵐ	in s 0.01	−89° 12′	in ″ 0.01	22ʰ 38ᵐ	in s 0.01	−81° 47′	in ″ 0.01	23ʰ 16ᵐ	in s 0.01	−87° 54′	in ″ 0.01
Juli 4	17.37	−12	39.68	+7	9.70	−3	14.45	+4	53.77	−13	26.05	+3
5	17.93	+10	39.96	+7	9.85	−1	14.55	+7	54.32	−7	26.12	+6
6	18.46	+30	40.25	+5	9.99	+2	14.66	+8	54.88	0	26.19	+8
7	18.97	+42	40.54	+2	10.12	+4	14.77	+7	55.43	+8	26.26	+8
8	19.45	+45	40.83	−2	10.26	+5	14.88	+5	55.98	+14	26.34	+6
9	19.91	+39	41.12	−5	10.40	+5	15.00	+2	56.52	+16	26.43	+3
10	20.34	+24	41.41	−6	10.54	+4	15.13	−1	57.06	+15	26.53	0
11	20.74	+7	41.71	−6	10.67	+2	15.26	−4	57.60	+10	26.63	−3
12	21.11	−9	42.00	−5	10.81	0	15.39	−5	58.13	+4	26.73	−4
13	21.45	−19	42.30	−2	10.94	−1	15.53	−4	58.66	−3	26.84	−4
14	21.77	−23	42.60	+2	11.07	−3	15.68	−2	59.18	−9	26.96	−3
15	22.06	−20	42.90	+5	11.20	−3	15.83	+1	59.70	−12	27.08	0
16	22.32	−11	43.20	+7	11.32	−3	15.98	+3	60.21	−13	27.20	+2
17	22.55	0	43.50	+7	11.45	−2	16.14	+5	60.72	−11	27.33	+5
18	22.75	+12	43.80	+7	11.57	−1	16.31	+7	61.23	−7	27.47	+6
19	22.93	+22	44.10	+6	11.69	+1	16.48	+7	61.73	−2	27.61	+7
20	23.08	+28	44.40	+3	11.81	+2	16.65	+6	62.22	+3	27.76	+6
21	23.20	+29	44.71	0	11.93	+3	16.83	+4	62.71	+7	27.91	+5
22	23.29	+26	45.01	−3	12.04	+3	17.01	+2	63.19	+10	28.07	+2
23	23.35	+17	45.31	−5	12.15	+3	17.20	−1	63.66	+12	28.23	0
24	23.39	+4	45.61	−7	12.26	+2	17.39	−5	64.13	+11	28.40	−4
25	23.40	−11	45.92	−8	12.37	+1	17.58	−7	64.60	+9	28.57	−7
26	23.38	−28	46.22	−8	12.48	−1	17.78	−9	65.05	+4	28.74	−9
27	23.33	−42	46.52	−6	12.59	−2	17.98	−10	65.51	−2	28.92	−10
28	23.25	−50	46.82	−3	12.69	−4	18.19	−9	65.95	−8	29.10	−10
29	23.14	−51	47.12	+1	12.79	−5	18.40	−6	66.39	−13	29.29	−8
30	23.00	−42	47.43	+4	12.89	−5	18.62	−3	66.82	−16	29.48	−4
31	22.84	−25	47.73	+6	12.98	−4	18.84	+1	67.24	−15	29.68	0
Aug. 1	22.65	−3	48.03	+7	13.07	−2	19.06	+5	67.66	−10	29.88	+4
2	22.43	+18	48.33	+6	13.16	0	19.29	+7	68.07	−3	30.09	+7
3	22.18	+34	48.63	+3	13.25	+3	19.52	+7	68.47	+4	30.30	+8
4	21.90	+42	48.93	0	13.34	+4	19.76	+6	68.86	+11	30.52	+7
5	21.59	+40	49.23	−4	13.43	+5	19.99	+3	69.25	+15	30.74	+4
6	21.26	+29	49.52	−6	13.51	+4	20.24	0	69.63	+16	30.96	+1
7	20.89	+14	49.82	−7	13.59	+3	20.48	−3	70.00	+13	31.19	−2
8	20.50	−2	50.11	−6	13.67	+1	20.73	−4	70.36	+7	31.42	−4
9	20.08	−14	50.40	−3	13.75	−1	20.98	−4	70.72	0	31.66	−4
10	19.64	−21	50.69	0	13.82	−2	21.24	−2	71.06	−6	31.90	−3
sec δ, tg δ	89° 12′ 40″	72.631	−72.624		81° 47′ 10″	6.999	−6.928		87° 54′ 20″	27.362	−27.344	
	50	72.887	−72.881		20	7.002	−6.930		30	27.398	−27.380	

Tag	Octantis 4 G. 6^m				ζ Octantis 6^m–5^m				ι Octantis 6^m–5^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	1^{h}41^m s	in s 0.01	−85° 9′ ″	in ″ 0.01	9^h 8^m s	in s 0.01	−85° 21′ ″	in ″ 0.01	12^{h}46^m s	in s 0.01	−84° 42′ ″	in ″ 0.01
Aug. 10	44.16	−2	39.87	−4	9.09	+4	12.80	0	34.19	0	9.74	+4
11	44.39	−4	39.95	−4	9.08	+4	12.49	−3	34.01	+2	9.57	+3
12	44.63	−5	40.04	−2	9.08	+4	12.18	−6	33.83	+4	9.40	+2
13	44.86	−6	40.14	0	9.08	+3	11.86	−7	33.65	+6	9.23	0
14	45.10	−5	40.24	+2	9.09	+1	11.55	−8	33.48	+6	9.05	−3
15	45.33	−4	40.35	+4	9.10	−1	11.24	−7	33.30	+5	8.86	−5
16	45.56	−2	40.46	+6	9.11	−2	10.93	−5	33.13	+4	8.67	−6
17	45.79	0	40.58	+6	9.13	−4	10.62	−3	32.96	+2	8.48	−6
18	46.01	+2	40.70	+6	9.16	−4	10.31	0	32.79	0	8.28	−6
19	46.24	+4	40.83	+4	9.19	−4	9.99	+4	32.63	−2	8.08	−4
20	46.46	+5	40.97	+2	9.22	−3	9.68	+6	32.46	−4	7.87	−2
21	46.68	+6	41.11	−1	9.26	−2	9.37	+8	32.31	−5	7.66	+1
22	46.89	+5	41.26	−4	9.31	0	9.06	+9	32.15	−6	7.44	+4
23	47.11	+4	41.41	−7	9.35	+3	8.75	+8	32.00	−5	7.22	+7
24	47.32	+1	41.57	−9	9.41	+5	8.44	+6	31.85	−4	6.99	+9
25	47.53	−1	41.73	−10	9.46	+6	8.13	+3	31.70	−1	6.76	+10
26	47.74	−3	41.90	−9	9.52	+6	7.83	−1	31.55	+1	6.53	+9
27	47.95	−5	42.08	−6	9.59	+5	7.52	−4	31.41	+4	6.29	+6
28	48.15	−5	42.26	−2	9.66	+3	7.22	−6	31.27	+5	6.05	+3
29	48.35	−4	42.44	+2	9.74	0	6.91	−6	31.13	+5	5.80	−1
30	48.55	−2	42.63	+6	9.83	−3	6.62	−5	31.00	+4	5.56	−5
31	48.74	+1	42.82	+8	9.91	−5	6.32	−2	30.87	+1	5.30	−7
Sept. 1	48.93	+3	43.02	+8	10.01	−6	6.02	+1	30.75	−1	5.05	−7
2	49.12	+5	43.22	+6	10.10	−5	5.73	+4	30.63	−4	4.79	−6
3	49.31	+5	43.43	+3	10.20	−4	5.44	+5	30.51	−5	4.53	−3
4	49.49	+4	43.65	0	10.31	−1	5.14	+5	30.39	−5	4.26	0
5	49.67	+2	43.87	−3	10.42	+1	4.85	+4	30.28	−4	3.99	+3
6	49.85	0	44.09	−4	10.53	+3	4.57	+1	30.17	−2	3.72	+4
7	50.02	−3	44.32	−4	10.65	+4	4.29	−2	30.07	+1	3.44	+4
8	50.19	−5	44.55	−3	10.77	+4	4.01	−5	29.97	+4	3.16	+2
9	50.36	−6	44.78	−1	10.90	+3	3.73	−7	29.87	+5	2.88	0
10	50.52	−5	45.02	+1	11.03	+1	3.45	−8	29.78	+6	2.59	−2
11	50.68	−4	45.27	+4	11.17	0	3.18	−7	29.69	+6	2.30	−4
12	50.83	−3	45.51	+6	11.31	−2	2.91	−6	29.60	+5	2.01	−6
13	50.99	−1	45.77	+6	11.46	−3	2.64	−4	29.52	+3	1.72	−7
14	51.13	+1	46.02	+6	11.61	−4	2.38	−1	29.44	+1	1.43	−6
15	51.28	+3	46.28	+5	11.76	−4	2.12	+2	29.36	−1	1.14	−5
16	51.42	+5	46.55	+3	11.92	−4	1.86	+5	29.29	−3	0.84	−3
sec δ, tg δ	85° 9′ 40″		11.855	−11.813	85° 21′ 0″		12.335	−12.295	84° 42′ 0″		10.826	−10.780
	50		11.862	−11.819	10		12.343	−12.302	10		10.832	−10.785

Tag	Octantis 20 G. 7^m				Octantis 26 G. 6^m–7^m				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$14^h 48^m$ s	in 0.01 s	−87° 50′ ″	in 0.01 ″	$16^h 31^m$ s	in 0.01 s	−86° 13′ ″	in 0.01 ″	$18^h 9^m$ s	in 0.01 s	−87° 39′ ″	in 0.01 ″
Aug. 10	25.17	− 3	15.19	+ 4	35.29	− 3	44.00	+ 3	25.06	− 7	53.72	+ 2
11	24.64	+ 2	15.18	+ 5	35.02	− 1	44.13	+ 5	24.74	− 4	53.95	+ 5
12	24.10	+ 8	15.17	+ 5	34.74	+ 2	44.25	+ 6	24.42	0	54.17	+ 7
13	23.57	+12	15.15	+ 3	34.46	+ 5	44.36	+ 6	24.08	+ 4	54.39	+ 7
14	23.04	+14	15.12	+ 1	34.18	+ 7	44.47	+ 4	23.74	+ 8	54.61	+ 7
15	22.51	+14	15.09	− 1	33.90	+ 8	44.57	+ 2	23.40	+11	54.83	+ 5
16	21.97	+12	15.06	− 3	33.61	+ 8	44.67	− 1	23.04	+12	55.04	+ 2
17	21.44	+ 8	15.02	− 5	33.32	+ 7	44.76	− 3	22.68	+11	55.25	0
18	20.91	+ 3	14.97	− 6	33.03	+ 4	44.85	− 5	22.31	+ 9	55.45	− 3
19	20.38	− 2	14.92	− 6	32.73	+ 1	44.93	− 6	21.93	+ 5	55.65	− 5
20	19.85	− 8	14.86	− 5	32.44	− 2	45.01	− 6	21.55	0	55.84	− 7
21	19.32	−13	14.79	− 2	32.14	− 6	45.08	− 5	21.16	− 5	56.03	− 7
22	18.80	−16	14.72	+ 1	31.84	− 9	45.14	− 3	20.76	−11	56.21	− 6
23	18.27	−16	14.64	+ 4	31.54	−11	45.20	0	20.36	−15	56.39	− 4
24	17.75	−14	14.56	+ 7	31.24	−11	45.26	+ 3	19.95	−18	56.57	− 1
25	17.23	−10	14.47	+ 9	30.93	−10	45.30	+ 6	19.54	−17	56.74	+ 3
26	16.71	− 3	14.38	+10	30.63	− 6	45.35	+ 8	19.12	−14	56.91	+ 6
27	16.19	+ 3	14.28	+ 8	30.33	− 2	45.38	+ 9	18.69	− 8	57.07	+ 7
28	15.68	+ 9	14.17	+ 6	30.02	+ 2	45.41	+ 7	18.26	− 1	57.23	+ 7
29	15.17	+12	14.06	+ 2	29.71	+ 6	45.43	+ 4	17.82	+ 6	57.38	+ 6
30	14.66	+11	13.94	− 3	29.40	+ 7	45.45	0	17.38	+11	57.53	+ 2
31	14.16	+ 7	13.82	− 6	29.09	+ 7	45.47	− 4	16.93	+13	57.67	− 2
Sept. 1	13.66	+ 2	13.69	− 8	28.78	+ 5	45.47	− 7	16.48	+11	57.80	− 5
2	13.17	− 4	13.56	− 9	28.47	+ 1	45.47	− 8	16.02	+ 7	57.93	− 7
3	12.68	− 9	13.42	− 6	28.16	− 2	45.47	− 7	15.56	+ 2	58.06	− 8
4	12.19	−11	13.28	− 3	27.85	− 4	45.46	− 5	15.09	− 3	58.18	− 6
5	11.71	− 9	13.13	0	27.54	− 5	45.44	− 2	14.62	− 7	58.29	− 3
6	11.23	− 6	12.98	+ 3	27.23	− 4	45.42	+ 2	14.15	− 7	58.40	0
7	10.76	0	12.82	+ 5	26.92	− 2	45.39	+ 4	13.67	− 6	58.51	+ 4
8	10.29	+ 6	12.66	+ 5	26.61	+ 1	45.36	+ 6	13.19	− 2	58.61	+ 6
9	9.83	+11	12.49	+ 4	26.29	+ 4	45.32	+ 6	12.70	+ 3	58.71	+ 7
10	9.37	+14	12.31	+ 2	25.98	+ 7	45.27	+ 5	12.21	+ 7	58.80	+ 7
11	8.92	+15	12.13	− 1	25.67	+ 8	45.22	+ 3	11.72	+10	58.88	+ 6
12	8.48	+13	11.95	− 3	25.36	+ 9	45.17	0	11.23	+12	58.95	+ 3
13	8.04	+10	11.76	− 5	25.05	+ 8	45.11	− 2	10.73	+12	59.02	+ 1
14	7.60	+ 6	11.56	− 6	24.75	+ 6	45.04	− 4	10.23	+11	59.09	− 2
15	7.18	0	11.36	− 6	24.44	+ 3	44.97	− 6	9.73	+ 8	59.15	− 4
16	6.76	− 5	11.16	− 5	24.13	0	44.89	− 6	9.23	+ 3	59.20	− 6
sec δ, tg δ	87° 50′ 10″ 20		26.484 26.518	−26.466 −26.500	86° 13′ 40″ 50		15.200 15.211	−15.167 −15.178	87° 39′ 50″ 60		24.533 24.562	−24.513 −24.542

Tag	σ Octantis 6^m				β Octantis $4^m.1$				τ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$19^h 35^m$	in s 0.01	−89° 12′	in ″ 0.01	$22^h 38^m$	in s 0.01	−81° 47′	in ″ 0.01	$23^h 17^m$	in s 0.01	−87° 54′	in ″ 0.01
Aug. 10	79.64	−21	50.69	0	13.82	−2	21.24	−2	11.06	−6	31.90	−3
11	79.17	−20	50.98	+4	13.89	−3	21.50	0	11.40	−11	32.14	−1
12	78.67	−12	51.27	+6	13.96	−3	21.76	+3	11.73	−12	32.39	+2
13	78.14	−2	51.55	+7	14.02	−2	22.02	+5	12.05	−11	32.64	+4
14	77.59	+10	51.83	+8	14.09	−1	22.29	+7	12.37	−9	32.89	+6
15	77.00	+20	52.11	+7	14.15	0	22.56	+7	12.67	−4	33.15	+7
16	76.39	+28	52.39	+4	14.20	+1	22.83	+7	12.96	+1	33.41	+7
17	75.76	+31	52.67	+2	14.26	+2	23.10	+5	13.24	+5	33.67	+6
18	75.09	+29	52.94	−1	14.31	+3	23.38	+3	13.52	+9	33.94	+4
19	74.40	+23	53.21	−4	14.36	+3	23.66	0	13.79	+11	34.21	+1
20	73.68	+12	53.48	−6	14.41	+3	23.94	−3	14.04	+12	34.48	−2
21	72.94	−3	53.74	−8	14.45	+2	24.22	−6	14.29	+10	34.76	−5
22	72.17	−19	54.01	−8	14.49	0	24.50	−8	14.52	+6	35.04	−8
23	71.38	−35	54.27	−7	14.53	−1	24.79	−10	14.75	+1	35.32	−10
24	70.56	−46	54.53	−4	14.57	−3	25.08	−10	14.96	−6	35.61	−10
25	69.72	−51	54.79	−1	14.60	−4	25.37	−8	15.17	−12	35.89	−9
26	68.85	−46	55.04	+3	14.64	−5	25.67	−5	15.37	−15	36.18	−6
27	67.96	−34	55.29	+5	14.66	−4	25.97	−1	15.55	−16	36.47	−2
28	67.04	−15	55.53	+7	14.69	−3	26.27	+3	15.73	−13	36.77	+2
29	66.10	+6	55.77	+6	14.71	−1	26.57	+6	15.90	−7	37.07	+5
30	65.14	+25	56.01	+4	14.73	+1	26.86	+7	16.05	+1	37.37	+7
31	64.15	+36	56.24	+1	14.75	+3	27.16	+6	16.20	+8	37.67	+6
Sept. 1	63.14	+38	56.47	−3	14.76	+4	27.46	+3	16.33	+14	37.97	+5
2	62.11	+31	56.70	−6	14.77	+4	27.76	0	16.46	+16	38.28	+2
3	61.05	+18	56.92	−7	14.78	+3	28.06	−2	16.57	+14	38.58	−1
4	59.98	+2	57.14	−6	14.79	+2	28.37	−4	16.68	+9	38.89	−4
5	58.88	−12	57.36	−4	14.79	0	28.67	−5	16.77	+2	39.19	−4
6	57.75	−20	57.57	−1	14.79	−2	28.97	−3	16.85	−4	39.50	−4
7	56.61	−21	57.78	+2	14.79	−3	29.28	−1	16.92	−9	39.81	−2
8	55.45	−15	57.98	+5	14.78	−3	29.58	+2	16.98	−12	40.12	+1
9	54.27	−5	58.18	+7	14.77	−3	29.89	+5	17.02	−12	40.43	+3
10	53.07	+6	58.37	+8	14.76	−2	30.19	+7	17.06	−10	40.75	+6
11	51.85	+18	58.56	+7	14.75	0	30.50	+8	17.08	−6	41.06	+7
12	50.61	+27	58.74	+5	14.73	+1	30.80	+8	17.10	−1	41.37	+7
13	49.35	+32	58.92	+3	14.71	+2	31.10	+6	17.10	+4	41.68	+7
14	48.08	+32	59.09	0	14.69	+3	31.40	+4	17.10	+8	42.00	+5
15	46.79	+28	59.26	−3	14.66	+3	31.71	+2	17.08	+11	42.31	+3
16	45.48	+18	59.43	−5	14.63	+3	32.01	−1	17.05	+12	42.63	0
sec δ, tg δ	89° 12′ 50″	72.887	−72.881		81° 47′ 20″	7.002	−6.930		87° 54′ 30″	27.398	−27.380	
	60	73.146	−73.139		30	7.004	−6.932		40	27.435	−27.417	

Tag	Octantis 4 G. 6ᵐ				ζ Octantis 6ᵐ–5ᵐ				ι Octantis 6ᵐ–5ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	1ʰ 41ᵐ	in ˢ 0.01	−85° 9′	in ″ 0.01	9ʰ 8ᵐ	in ˢ 0.01	−85° 20′	in ″ 0.01	12ʰ 46ᵐ	in ˢ 0.01	−84° 41′	in ″ 0.01
Sept. 16	51.42	+5	46.55	+3	11.92	−4	61.86	+5	29.29	−3	60.84	−3
17	51.56	+5	46.82	+1	12.08	−3	61.61	+7	29.22	−5	60.54	−1
18	51.69	+5	47.09	−3	12.25	−1	61.36	+8	29.16	−6	60.24	+3
19	51.82	+4	47.36	−6	12.42	+2	61.11	+8	29.10	−6	59.93	+6
20	51.94	+2	47.64	−8	12.59	+4	60.87	+7	29.04	−4	59.63	+8
21	52.06	0	47.92	−10	12.77	+6	60.64	+4	28.99	−2	59.32	+9
22	52.17	−3	48.20	−9	12.95	+7	60.40	0	28.95	0	59.01	+9
23	52.28	−5	48.49	−7	13.14	+6	60.18	−3	28.90	+3	58.71	+7
24	52.39	−5	48.78	−4	13.32	+4	59.95	−5	28.87	+5	58.40	+4
25	52.49	−5	49.07	0	13.52	+1	59.73	−6	28.83	+5	58.08	0
26	52.59	−3	49.37	+5	13.71	−2	59.52	−5	28.80	+5	57.77	−3
27	52.68	0	49.67	+7	13.91	−4	59.31	−3	28.78	+2	57.46	−6
28	52.77	+3	49.97	+7	14.11	−6	59.10	0	28.76	0	57.14	−7
29	52.85	+5	50.27	+6	14.32	−6	58.90	+3	28.75	−3	56.82	−6
30	52.93	+5	50.58	+4	14.53	−4	58.70	+5	28.73	−5	56.51	−4
Okt. 1	53.01	+5	50.89	0	14.74	−2	58.51	+6	28.73	−5	56.19	0
2	53.08	+3	51.20	−2	14.96	0	58.32	+5	28.73 28.73	−5 −3	55.87 55.55	+2 +4
3	53.15	+1	51.51	−4	15.18	+3	58.14	+2	28.73	0	55.24	+5
4	53.21	−2	51.82	−5	15.40	+4	57.97	−1	28.74	+3	54.92	+4
5	53.27	−4	52.13	−4	15.63	+4	57.80	−4	28.76	+4	54.61	+1
6	53.32	−5	52.45	−2	15.86	+3	57.63	−6	28.78	+6	54.29	−1
7	53.37	−6	52.77	+1	16.09	+2	57.47	−8	28.81	+6	53.97	−4
8	53.41	−5	53.09	+3	16.32	0	57.31	−8	28.84	+5	53.66	−5
9	53.45	−3	53.40	+5	16.56	−1	57.16	−7	28.87	+4	53.35	−7
10	53.49	−2	53.72	+6	16.80	−3	57.02	−5	28.91	+2	53.03	−7
11	53.51	0	54.05	+7	17.04	−4	56.88	−2	28.95	−1	52.72	−6
12	53.54	+2	54.37	+6	17.29	−4	56.74	+1	29.00	−3	52.41	−4
13	53.56	+4	54.69	+4	17.53	−4	56.62	+4	29.05	−4	52.10	−2
14	53.57	+5	55.02	+2	17.78	−3	56.49	+6	29.11	−5	51.79	+1
15	53.58	+5	55.34	−1	18.03	−1	56.38	+8	29.17	−6	51.49	+4
16	53.58	+5	55.67	−4	18.29	+1	56.27	+8	29.23	−5	51.18	+7
17	53.58	+3	56.00	−7	18.54	+3	56.17	+7	29.30	−3	50.88	+9
18	53.57	+1	56.32	−9	18.80	+5	56.07	+5	29.37	−1	50.58	+9
19	53.56	−2	56.65	−9	19.06	+6	55.98	+2	29.45	+2	50.28	+8
20	53.55	−4	56.97	−8	19.32	+6	55.90	−2	29.53	+4	49.98	+5
21	53.53	−5	57.30	−5	19.58	+5	55.82	−5	29.62	+5	49.69	+1
22	53.50	−5	57.62	−1	19.85	+2	55.74	−7	29.71	+5	49.39	−2
23	53.47	−4	57.95	+3	20.11	−1	55.68	−6	29.81	+3	49.10	−5
sec δ, tg δ	85° 9′ 50″ 60	11.862 11.868	−11.819 −11.826		85° 20′ 50″ 60	12.328 12.335	−12.287 −12.295		84° 41′ 50″ 60	10.820 10.826	−10.774 −10.780	

Tag	Octantis 20 G. 7^m				Octantis 26 G. 6^m–7^m				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$14^h 47^m$	in ^{s} 0.01	−87° 50′	in ″ 0.01	$16^h 31^m$	in ^{s} 0.01	−86° 13′	in ″ 0.01	$18^h 8^m$	in ^{s} 0.01	−87° 39′	in ″ 0.01
Sept. 16	$66^s.76$	− 5	11″.16	− 5	$24^s.13$	0	44″.89	− 6	$69^s.23$	+ 3	59″.20	− 6
17	66.34	−10	10.95	− 4	23.83	− 4	44.80	− 6	68.72	− 2	59.25	− 7
18	65.93	−14	10.74	− 1	23.53	− 7	44.71	− 4	68.21	− 8	59.29	− 7
19	65.53	−16	10.52	+ 2	23.23	−10	44.61	− 2	67.70	−13	59.33	− 5
20	65.14	−15	10.29	+ 5	22.93	−11	44.51	+ 2	67.19	−16	59.36	− 2
21	64.75	−11	10.07	+ 8	22.63	−10	44.40	+ 5	66.68	−17	59.38	+ 1
22	64.37	− 6	9.83	+ 9	22.34	− 7	44.28	+ 7	66.16	−15	59.40	+ 4
23	64.00	+ 1	9.60	+ 9	22.04	− 3	44.16	+ 9	65.65	−10	59.41	+ 7
24	63.64	+ 7	9.36	+ 7	21.75	+ 1	44.04	+ 8	65.13	− 4	59.42	+ 8
25	63.28	+11	9.11	+ 3	21.46	+ 4	43.90	+ 5	64.62	+ 4	59.42	+ 7
26	62.93	+11	8.86	− 1	21.18	+ 7	43.76	+ 2	64.10	+ 9	59.41	+ 4
27	62.59	+ 9	8.61	− 4	20.89	+ 7	43.62	− 2	63.58	+12	59.40	0
28	62.26	+ 4	8.35	− 7	20.61	+ 5	43.47	− 6	63.06	+11	59.38	− 4
29	61.94	− 3	8.10	− 8	20.33	+ 2	43.32	− 8	62.54	+ 8	59.36	− 7
30	61.62	− 8	7.83	− 7	20.05	− 1	43.16	− 8	62.03	+ 3	59.33	− 8
Okt. 1	61.32	−11	7.57	− 4	19.78	− 4	43.00	− 6	61.51	− 3	59.29	− 7
2	61.02	−11	7.30	− 1	19.51	− 6	42.83	− 3	61.00	− 6	59.25	− 5
3	60.73	− 8	7.03	+ 2	19.24	− 6	42.66	0	60.48	− 8	59.20	− 1
4	60.46	− 3	6.75	+ 5	18.98	− 4	42.48	+ 4	59.97	− 7	59.15	+ 2
5	60.19	+ 3	6.47	+ 5	18.72	− 1	42.30	+ 6	59.45	− 4	59.09	+ 5
6	59.93	+ 9	6.19	+ 4	18.46	+ 3	42.11	+ 6	58.94	0	59.02	+ 7
7	59.68	+13	5.90	+ 3	18.21	+ 6	41.92	+ 6	58.44	+ 5	58.95	+ 7
8	59.44	+15	5.61	0	17.96	+ 8	41.72	+ 4	57.93	+ 9	58.87	+ 6
9	59.21	+14	5.32	− 2	17.72	+ 9	41.52	+ 1	57.43	+12	58.79	+ 4
10	58.99	+12	5.02	− 4	17.47	+ 8	41.31	− 1	56.93	+13	58.70	+ 2
11	58.79	+ 8	4.73	− 6	17.24	+ 7	41.10	− 4	56.43	+12	58.60	− 1
12	58.59	+ 3	4.43	− 6	17.01	+ 4	40.88	− 5	55.94	+ 9	58.50	− 4
13	58.40	− 3	4.13	− 6	16.78	+ 1	40.66	− 6	55.45	+ 5	58.39	− 5
14	58.22	− 8	3.83	− 4	16.55	− 2	40.43	− 6	54.97	0	58.28	− 7
15	58.05	−13	3.52	− 2	16.33	− 6	40.20	− 5	54.48	− 5	58.16	− 7
16	57.89	−15	3.22	+ 1	16.12	− 9	39.97	− 3	54.01	−11	58.03	− 6
17	57.74	−15	2.91	+ 4	15.91	−10	39.73	0	53.53	−14	57.90	− 3
18	57.61	−12	2.60	+ 7	15.71	−10	39.49	+ 3	53.06	−16	57.76	0
19	57.48	− 7	2.29	+ 8	15.51	− 8	39.24	+ 6	52.59	−15	57.62	+ 3
20	57.37	− 1	1.98	+ 9	15.31	− 5	38.99	+ 8	52.13	−11	57.47	+ 6
21	57.27	+ 6	1.66	+ 8	15.12	0	38.73	+ 8	51.67	− 5	57.32	+ 8
22	57.18	+10	1.35	+ 5	14.94	+ 3	38.47	+ 6	51.22	+ 1	57.16	+ 7
23	57.10	+12	1.03	+ 1	14.76	+ 6	38.21	+ 3	50.77	+ 7	57.00	+ 5

sec δ, tg δ								
	87° 50′ 0″	26.451	−26.432	86° 13′ 40″	15.200	−15.167	87° 39′ 50″	24.533	−24.513
	10	26.484	−26.466	50	15.211	−15.178	60	24.562	−24.542

Tag	σ Octantis 6^m				β Octantis 4^m.1				τ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	19h 34m	in s 0.01	−89° 12′	in ″ 0.01	22h 38m	in s 0.01	−81° 47′	in ″ 0.01	23h 17m	in s 0.01	−87° 54′	in ″ 0.01
Sept. 16	105.48	+18	59.43	−5	14.63	+3	32.01	−1	17.05	+12	42.63	0
17	104.15	+5	59.59	−7	14.60	+2	32.31	−4	17.01	+11	42.94	−3
18	102.81	−10	59.75	−8	14.57	+1	32.61	−7	16.96	+8	43.26	−6
19	101.45	−26	59.90	−7	14.53	−1	32.91	−9	16.89	+3	43.57	−9
20	100.08	−39	60.04	−5	14.49	−2	33.20	−9	16.82	−3	43.89	−10
21	98.69	−47	60.18	−2	14.44	−4	33.50	−8	16.73	−9	44.20	−9
22	97.29	−47	60.31	+1	14.40	−5	33.79	−6	16.64	−13	44.51	−7
23	95.88	−38	60.44	+4	14.35	−5	34.09	−2	16.53	−16	44.83	−3
24	94.45	−22	60.56	+6	14.30	−4	34.38	+2	16.42	−15	45.14	0
25	93.01	−2	60.68	+7	14.25	−1	34.67	+5	16.29	−10	45.45	+4
26	91.56	+17	60.79	+5	14.19	0	34.96	+6	16.15	−3	45.75	+6
27	90.10	+31	60.89	+2	14.13	+2	35.25	+6	16.00	+5	46.06	+6
28	88.63	+36	60.99	−1	14.07	+4	35.54	+4	15.84	+11	46.37	+5
29	87.14	+32	61.08	−5	14.01	+4	35.82	+1	15.67	+15	46.67	+2
30	85.65	+20	61.17	−7	13.94	+4	36.10	−2	15.49	+15	46.97	−1
Okt. 1	84.14	+5	61.25	−7	13.87	+2	36.38	−4	15.29	+11	47.27	−3
2	82.63	−9	61.33	−6	13.80	0	36.65	−5	15.09	+5	47.57	−5
3	81.11	−20	61.40	−3	13.73	−1	36.93	−5	14.87	−2	47.87	−5
4	79.58	−24	61.46	+1	13.65	−2	37.20	−3	14.65	−8	48.17	−3
5	78.05	−20	61.52	+4	13.58	−3	37.46	0	14.41	−12	48.46	−1
6	76.51	−11	61.57	+7	13.49	−3	37.73	+3	14.17	−12	48.75	+2
7	74.97	+1	61.62	+8	13.41	−2	37.99	+6	13.91	−11	49.04	+5
8	73.42	+14	61.66	+7	13.33	−1	38.25	+7	13.64	−7	49.33	+7
9	71.87	+24	61.69	+6	13.24	+1	38.50	+8	13.37	−3	49.61	+7
10	70.31	+31	61.72	+4	13.15	+2	38.75	+7	13.08	+2	49.89	+7
11	68.75	+33	61.74	+1	13.06	+3	39.00	+5	12.78	+6	50.16	+6
12	67.19	+31	61.76	−2	12.96	+3	39.24	+3	12.47	+10	50.43	+4
13	65.62	+23	61.77	−4	12.87	+3	39.48	0	12.16	+12	50.70	+1
14	64.05	+11	61.78	−6	12.77	+3	39.71	−3	11.83	+12	50.97	−2
15	62.49	−3	61.78	−7	12.66	+2	39.95	−6	11.49	+10	51.24	−5
16	60.92	−19	61.77	−7	12.56	0	40.17	−8	11.15	+6	51.50	−7
17	59.35	−32	61.75	−6	12.45	−1	40.40	−9	10.79	0	51.76	−9
18	57.79	−43	61.73	−3	12.34	−3	40.62	−8	10.42	−6	52.01	−9
19	56.22	−46	61.70	0	12.23	−4	40.83	−6	10.05	−12	52.26	−7
20	54.66	−40	61.66	+3	12.12	−5	41.04	−3	9.67	−15	52.51	−4
21	53.11	−27	61.62	+6	12.01	−4	41.25	+1	9.27	−15	52.75	−1
22	51.55	−8	61.57	+7	11.89	−3	41.45	+4	8.87	−12	52.99	+3
23	50.00	+11	61.52	+6	11.78	−1	41.65	+6	8.47	−6	53.22	+6

sec δ, tg δ								
	89° 12′ 60″	73.146	−73.139	81° 47′ 30″	7.004	−6.932	87° 54′ 40″	27.435	−27.417
	70	73.406	−73.399	40	7.006	−6.935	50	27.471	−27.453

Tag	Octantis 4 G. 6^m				ζ Octantis $6^m - 5^m$				ι Octantis $6^m - 5^m$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$1^h 41^m$	in 0.01 s	−85° 9′	in 0.01 ″	$9^h 8^m$	in 0.01 s	−85° 20′	in 0.01 ″	$12^h 46^m$	in 0.01 s	−84° 41′	in 0.01 ″
Okt. 23	53.47 s	−4	57.95 ″	+3	20.11 s	−1	55.68 ″	−6	29.81 s	+3	49.10 ″	−5
24	53.44	−1	58.27	+6	20.38	−3	55.61	−4	29.91	+1	48.81	−7
25	53.40	+1	58.60	+7	20.65	−5	55.56	−1	30.01	−2	48.53	−7
26	53.35	+4	58.92	+7	20.92	−6	55.51	+2	30.12	−4	48.24	−5
27	53.30	+5	59.24	+5	21.19	−5	55.47	+5	30.23	−5	47.96	−1
28	53.25	+5	59.57	+2	21.46	−3	55.43	+6	30.35	−5	47.68	+2
29	53.19	+4	59.88	−2	21.74	−1	55.40	+6	30.47	−4	47.41	+4
30	53.12	+2	60.20	−4	22.01	+2	55.38	+4	30.60	−1	47.14	+5
31	53.05	−1	60.52	−5	22.28	+4	55.37	+1	30.73	+1	46.87	+5
Nov. 1	52.98	−3	60.83	−5	22.55	+4	55.36	−2	30.86	+4	46.61	+3
2	52.90	−5	61.14	−3	22.83	+4	55.36	−5	31.00	+5	46.35	0
3	52.81	−6	61.46	−1	23.10	+3	55.36	−7	31.14	+6	46.09	−2
4	52.72	−5	61.76	+2	23.38	+1	55.37	−8	31.29	+5	45.84	−5
5	52.63	−4	62.07	+4	23.65	−1	55.39	−7	31.44	+4	45.59	−6
6	52.53	−3	62.38	+6	23.92	−2	55.41	−6	31.59	+2	45.35	−7
7	52.43	0	62.68	+6	24.20	−4	55.44	−3	31.75	0	45.11	−6
8	52.32	+2	62.98	+6	24.47	−4	55.48	0	31.91	−2	44.87	−5
9	52.21	+3	63.27	+5	24.75	−4	55.52	+3	32.08	−4	44.64	−3
10	52.09	+5	63.57	+3	25.02	−4	55.57	+5	32.25	−5	44.41	0
11	51.97	+5	63.86	0	25.29	−2	55.63	+7	32.42	−6	44.19	+3
12	51.85	+5	64.15	−3	25.56	0	55.69	+8	32.59	−5	43.97	+6
13	51.72	+4	64.44	−6	25.84	+2	55.76	+8	32.77	−4	43.76	+8
14	51.59	+2	64.72	−8	26.11	+4	55.84	+6	32.95	−2	43.55	+9
15	51.45	−1	65.00	−9	26.38	+6	55.92	+3	33.14	+1	43.34	+8
16	51.31	−3	65.27	−8	26.65	+6	56.01	−1	33.33	+3	43.14	+6
17	51.16	−5	65.54	−6	26.91	+5	56.11	−4	33.52	+5	42.95	+3
18	51.02	−5	65.81	−2	27.18	+3	56.21	−6	33.72	+5	42.76	−1
19	50.86	−5	66.07	+2	27.45	0	56.32	−7	33.92	+4	42.57	−5
20	50.70	−3	66.33	+6	27.71	−2	56.44	−6	34.12	+2	42.40	−7
21	50.54	0	66.59	+8	27.97	−5	56.56	−3	34.32	−1	42.22	−7
22	50.38	+3	66.84	+8	28.23	−6	56.68	0	34.53	−3	42.05	−6
23	50.20	+5	67.09	+6	28.49	−6	56.82	+4	34.73	−5	41.89	−3
24	50.03	+6	67.34	+3	28.75	−4	56.96	+6	34.95	−6	41.73	0
25	49.85	+5	67.58	0	29.01	−2	57.10	+6	35.16	−5	41.58	+3
26	49.67	+3	67.82	−3	29.27	+1	57.25	+5	35.38	−2	41.43	+5
27	49.48	0	68.05	−5	29.52	+3	57.41	+2	35.60	0	41.29	+5
28	49.30	−2	68.28	−5	29.77	+4	57.58	−1	35.83	+3	41.16	+4
29	49.10	−4	68.50	−4	30.02	+4	57.75	−4	36.05	+5	41.03	+2

sec δ, tg δ								
	85° 9′ 60″	11.868	−11.826	85° 20′ 50″	12.328	−12.287	84° 41′ 40″	10.815	−10.768
	70	11.875	−11.833	60	12.335	−12.295	50	10.820	−10.774

Tag	Octantis 20 G. 7^m AR.	☾ Gl.	Dekl.	☾ Gl.	Octantis 26 G. $6^m - 7^m$ AR.	☾ Gl.	Dekl.	☾ Gl.	χ Octantis 6^m AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$14^h 47^m$	in s 0.01	−87° 49′	in ″ 0.01	$16^h 31^m$	in s 0.01	−86° 13′	in ″ 0.01	$18^h 8^m$	in s 0.01	−87° 39′	in ″ 0.01
Okt. 23	57.10	+12	61.03	+ 1	14.76	+ 6	38.21	+ 3	50.77	+ 7	57.00	+ 5
24	57.03	+11	60.72	− 3	14.58	+ 7	37.95	− 1	50.33	+11	56.83	+ 2
25	56.97	+ 6	60.40	− 6	14.41	+ 6	37.68	− 4	49.90	+12	56.65	− 2
26	56.92	0	60.08	− 8	14.25	+ 4	37.41	− 7	49.47	+10	56.47	− 5
27	56.88	− 6	59.76	− 7	14.09	0	37.13	− 8	49.04	+ 5	56.29	− 8
28	56.85	−11	59.44	− 5	13.94	− 4	36.85	− 7	48.62	− 1	56.10	− 8
29	56.84	−12	59.12	− 2	13.79	− 6	36.57	− 4	48.21	− 6	55.90	− 6
30	56.84	−11	58.80	+ 2	13.65	− 6	36.29	− 1	47.80	− 9	55.70	− 3
31	56.85	− 6	58.48	+ 4	13.52	− 5	36.00	+ 3	47.40	− 9	55.49	+ 1
Nov. 1	56.87	0	58.16	+ 5	13.39	− 2	35.71	+ 5	47.01	− 7	55.28	+ 4
2	{ 56.90 / 56.94	+ 6 / + 11	57.83 / 57.51	+ 5 / + 4	13.27	+ 1	35.42	+ 6	46.63	− 2	55.06	+ 6
3	57.00	+14	57.19	+ 1	13.15	+ 4	35.13	+ 6	46.25	+ 3	54.84	+ 7
4	57.06	+15	56.87	− 1	13.04	+ 7	34.83	+ 5	45.87	+ 7	54.62	+ 7
5	57.13	+13	56.55	− 3	12.94	+ 8	34.53	+ 2	45.51	+11	54.39	+ 5
6	57.22	+ 9	56.23	− 5	12.84	+ 9	34.23	0	45.15	+12	54.16	+ 3
7	57.32	+ 5	55.92	− 6	12.75	+ 8	33.92	− 3	44.80	+12	53.92	0
8	57.43	− 1	55.60	− 6	12.66	+ 5	33.62	− 5	44.46	+10	53.68	− 3
9	57.55	− 6	55.28	− 5	12.58	+ 2	33.31	− 6	44.13	+ 7	53.43	− 5
10	57.69	−11	54.97	− 3	12.50	− 1	33.00	− 6	43.81	+ 2	53.18	− 6
11	57.83	−14	54.66	− 1	12.44	− 5	32.69	− 5	43.49	− 3	52.92	− 7
12	57.99	−15	54.35	+ 2	12.38	− 8	32.38	− 4	43.18	− 9	52.67	− 6
13	58.16	−14	54.04	+ 5	12.32	−10	32.06	− 1	42.89	−13	52.40	− 4
14	58.34	−10	53.73	+ 8	12.27	−10	31.75	+ 2	42.60	−16	52.14	− 1
15	58.53	− 4	53.42	+ 9	12.23	− 9	31.44	+ 5	42.31	−16	51.87	+ 2
16	58.73	+ 3	53.11	+ 8	12.20	− 6	31.12	+ 7	42.04	−13	51.60	+ 5
17	58.94	+ 9	52.81	+ 6	12.17	− 2	30.80	+ 8	41.78	− 8	51.32	+ 7
18	59.17	+12	52.51	+ 2	12.15	+ 2	30.48	+ 7	41.52	− 1	51.04	+ 8
19	59.40	+12	52.22	− 2	12.14	+ 6	30.17	+ 5	41.28	+ 6	50.75	+ 6
20	59.65	+ 9	51.92	− 5	12.13	+ 8	29.85	+ 1	41.04	+11	50.46	+ 3
21	59.90	+ 4	51.63	− 8	12.13	+ 8	29.53	− 3	40.82	+13	50.17	0
22	60.17	− 3	51.34	− 8	12.14	+ 6	29.21	− 6	40.60	+12	49.88	− 4
23	60.44	− 9	51.05	− 6	12.15	+ 2	28.89	− 8	40.39	+ 8	49.58	− 7
24	60.73	−12	50.77	− 3	12.17	− 2	28.57	− 8	40.19	+ 2	49.29	− 8
25	61.03	−12	50.49	0	12.20	− 5	28.25	− 6	40.00	− 4	48.98	− 7
26	61.34	− 8	50.21	+ 3	12.23	− 7	27.93	− 2	39.82	− 8	48.68	− 4
27	61.65	− 3	49.94	+ 5	12.27	− 6	27.61	+ 1	39.65	− 9	48.37	− 1
28	61.98	+ 3	49.67	+ 6	{ 12.32 / 12.37	− 4 / − 1	27.29 / 26.97	+ 4 / + 6	39.49	− 8	48.07	+ 3
29	62.32	+ 9	49.40	+ 5	12.43	+ 3	26.65	+ 6	39.34	− 5	47.75	+ 6
sec δ, tg δ	87° 49′ 50″ / 60	26.417 / 26.451	−26.398 / −26.432	86° 13′ 30″ / 40	15.189 / 15.200	−15.156 / −15.167		87° 39′ 50″ / 60	24.533 / 24.562	−24.513 / −24.542		

Tag	σ Octantis 6^m				β Octantis $4^m.1$				τ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$19^h 34^m$	in ^{s} 0.01	−89° 12′	in ″ 0.01	$22^h 38^m$	in ^{s} 0.01	−81° 47′	in ″ 0.01	$23^h 16^m$	in ^{s} 0.01	−87° 54′	in ″ 0.01
Okt. 23	50.00	+11	61.52	+6	11.78	−1	41.65	+6	68.47	−6	53.22	+6
24	48.45	+27	61.46	+4	11.66	+2	41.84	+7	68.05	+2	53.45	+7
25	46.91	+35	61.39	0	11.54	+3	42.03	+5	67.62	+9	53.67	+6
26	45.38	+34	61.32	−3	11.41	+4	42.21	+2	67.19	+14	53.89	+4
27	43.85	+25	61.24	−6	11.29	+4	42.39	−1	66.75	+15	54.11	0
28	42.33	+10	61.15	−7	11.16	+3	42.56	−4	66.30	+13	54.32	−3
29	40.82	−6	61.06	−7	11.04	+1	42.73	−5	65.84	+8	54.53	−5
30	39.31	−19	60.96	−4	10.91	−1	42.89	−6	65.38	+1	54.73	−6
31	37.82	−26	60.86	−1	10.78	−2	43.05	−4	64.91	−6	54.93	−5
Nov. 1	36.34	−25	60.75	+3	10.65	−3	43.20	−1	64.43	−10	55.13	−2
2	34.87	−17	60.63	+5	10.52	−3	43.35	+2	63.95	−12	55.31	+1
3	33.41	−6	60.51	+8	10.39	−3	43.49	+5	63.46	−12	55.49	+4
4	31.96	+8	60.38	+8	10.26	−1	43.63	+7	62.96	−9	55.66	+6
5	30.52	+20	60.25	+7	10.12	0	43.76	+8	62.46	−5	55.83	+7
6	29.10	+28	60.11	+5	9.99	+1	43.89	+8	61.95	0	56.00	+7
7	27.69	+33	59.97	+2	9.85	+2	44.01	+6	61.43	+5	56.16	+7
8	26.29	+31	59.82	0	9.72	+3	44.12	+4	60.91	+9	56.32	+5
9	24.91	+26	59.66	−3	9.58	+3	44.23	+1	60.38	+11	56.47	+2
10	23.54	+15	59.50	−6	9.44	+3	44.33	−2	59.85	+12	56.61	−1
11	22.19	+2	59.33	−7	9.30	+2	44.42	−5	59.31	+11	56.74	−4
12	20.85	−13	59.16	−8	9.16	+1	44.51	−7	58.77	+8	56.87	−7
13	19.53	−28	58.98	−7	9.02	−1	44.60	−9	58.22	+2	57.00	−9
14	18.23	−39	58.79	−4	8.88	−2	44.67	−9	57.67	−4	57.12	−9
15	16.95	−45	58.60	−1	8.73	−4	44.74	−7	57.11	−9	57.23	−8
16	15.68	−42	58.40	+2	8.59	−5	44.81	−4	56.55	−13	57.34	−5
17	14.43	−31	58.20	+5	8.45	−4	44.87	−1	55.98	−15	57.44	−2
18	13.21	−14	57.99	+7	8.30	−3	44.93	+3	55.41	−13	57.54	+2
19	12.00	+6	57.78	+7	8.16	−1	44.97	+6	54.84	−8	57.63	+5
20	10.82	+24	57.56	+5	8.02	+1	45.01	+7	54.26	−1	57.71	+7
21	9.65	+36	57.34	+2	7.87	+3	45.05	+6	53.68	+7	57.78	+7
22	8.51	+39	57.11	−1	7.73	+4	45.08	+4	53.10	+13	57.85	+5
23	7.38	+32	56.88	−5	7.59	+4	45.10	+1	52.52	+15	57.92	+2
24	6.28	+19	56.64	−7	7.44	+4	45.11	−2	51.93	+14	57.98	−1
25	5.21	+2	56.40	−7	7.30	+2	45.12	−5	51.34	+10	58.03	−4
26	4.15	−14	56.16	−5	7.15	0	45.12	−6	50.75	+4	58.08	−5
27	3.12	−24	55.91	−2	7.00	−2	45.12	−5	50.15	−3	58.12	−5
28	2.11	−27	55.66	+1	6.86	−3	45.11	−3	49.55	−9	58.15	−4
29	1.13	−23	55.40	+5	6.71	−3	45.09	0	48.94	−12	58.18	−1
sec δ, tg δ	89° 12′ 50″ 60	72.887 73.146	−72.881 −73.139		81° 47′ 40″ 50	7.006 7.009	−6.935 −6.937		87° 54′ 50″ 60	27.471 27.508	−27.453 −27.490	

Tag	Octantis 4 G. 6^m				ζ Octantis 6^m-5^m				ι Octantis 6^m-5^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	$1^h 41^m$	in ^{s} 0.01	−85° 10′	in ″ 0.01	$9^h 8^m$	in ^{s} 0.01	−85° 20′	in ″ 0.01	$12^h 46^m$	in ^{s} 0.01	−84° 41′	in ″ 0.01
Nov. 29	^{s} 49.10	−4	″ 8.50	−4	^{s} 30.02	+4	″ 57.75	−4	^{s} 36.05	+5	″ 41.03	+2
30	48.91	−5	8.71	−2	30.26	+3	57.93	−6	36.28	+6	40.91	−1
Dez. 1	48.71	−6	8.93	+2	30.51	+2	58.11	−8	36.51	+6	40.79	−4
2	48.51	−5	9.13	+3	30.75	0	58.30	−8	36.74	+5	40.68	−5
3	48.30	−3	9.33	+5	30.98	−2	58.49	−6	36.98	+3	40.57	−7
4	48.09	−2	9.53	+6	31.22	−3	58.69	−4	37.21	+1	40.47	−6
5	47.88	+1	9.72	+6	31.45	−4	58.90	−1	37.45	−1	40.38	−5
6	47.67	+3	9.90	+5	31.68	−4	59.11	+2	37.69	−3	40.29	−3
7	47.45	+4	10.08	+3	31.91	−4	59.33	+5	37.93	−5	40.21	−1
8	47.23	+5	10.26	+1	32.13	−3	59.55	+7	38.18	−6	40.14	+2
9	47.00	+5	10.43	−2	32.35	−1	59.77	+8	38.42	−6	40.07	+5
10	46.78	+5	10.59	−5	32.57	+1	60.01	+8	38.67	−5	40.01	+8
11	46.55	+3	10.75	−8	32.78	+4	60.24	+7	38.91	−3	39.96	+9
12	46.32	0	10.91	−9	32.99	+5	60.48	+5	39.16	0	39.91	+9
13	46.09	−2	11.06	−9	33.20	+6	60.73	+1	39.41	+2	39.86	+7
14	45.85	−4	11.20	−7	33.40	+6	60.98	−2	39.66	+4	39.82	+4
15	45.61	−5	11.34	−4	33.60	+4	61.24	−5	39.91	+5	39.79	0
16	45.37	−5	11.47	0	33.79	+2	61.50	−7	40.16	+5	39.77	−4
17	45.13	−4	11.59	+4	33.99	−1	61.77	−6	40.42	+3	39.75	−6
18	44.89	−1	11.71	+7	34.18	−4	62.04	−4	40.67	+1	39.74	−8
19	44.65	+2	11.82	+8	34.36	−6	62.32	−1	40.93	−2	39.74	−7
20	44.40	+4	11.93	+7	34.54	−6	62.60	+2	41.19	−4	39.74	−5
21	44.15	+5	12.03	+5	34.72	−5	62.89	+5	41.44	−5	39.75	−2
22	43.90	+5	12.12	+2	34.89	−3	63.18	+6	41.70	−5	39.76	+2
23	43.64	+4	12.21	−2	35.06	0	63.47	+6	41.96	−3	39.78	+4
24	43.38	+1	12.29	−4	35.23	+2	63.77	+3	42.21	−1	39.81	+5
25	43.12	−1	12.37	−5	35.39	+3	64.07	0	42.47	+2	39.84	+4
26	42.86	−3	12.44	−5	35.55	+4	64.38	−3	42.73	+4	39.88	+3
27	42.60	−5	12.50	−3	35.70	+4	64.69	−6	42.99	+5	39.92	0
28	42.34	−6	12.56	0	35.85	+3	65.00	−7	43.24	+6	39.97	−3
29	42.08	−5	12.61	+2	35.99	+1	65.32	−8	43.50	+5	40.03	−5
30	41.81	−4	12.65	+5	36.13	−1	65.64	−7	43.76	+4	40.10	−6
31	41.55	−2	12.69	+6	36.26	−3	65.96	−5	44.02	+2	40.17	−7
32	41.28	0	12.73	+6	36.39	−4	66.29	−2	44.27	0	40.25	−6
sec δ, tg δ	85° 10′ 10″	11.875	−11.833		85° 20′ 60″	12.335	−12.295		84° 41′ 30″	10.809	10.763	
	20	11.882	−11.840		70	12.343	−12.302		40	10.815	−10.768	

Tag	Octantis 20 G. 7^m				Octantis 26 G. 6^m-7^m				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	14^h48^m	in ^{s} 0.01	−87° 49′	in ″ 0.01	16^h31^m	in ^{s} 0.01	−86° 13′	in ″ 0.01	$18^h 8^m$	in ^{s} 0.01	−87° 39′	in ″ 0.01
	s		″		s		″		s		″	
Nov. 29	2.32	+ 9	49.40	+ 5	12.43	+ 3	26.65	+ 6	39.34	− 5	47.75	+ 6
30	2.67	+13	49.14	+ 3	12.50	+ 6	26.33	+ 5	39.21	0	47.44	+ 7
Dez. 1	3.02	+15	48.88	0	12.57	+ 8	26.01	+ 3	39.08	+ 5	47.13	+ 7
2	3.39	+14	48.62	− 2	12.65	+ 9	25.70	+ 1	38.97	+ 9	46.81	+ 6
3	3.77	+11	48.37	− 4	12.74	+ 8	25.39	− 2	38.86	+12	46.49	+ 4
4	4.15	+ 6	48.12	− 6	12.83	+ 6	25.07	− 4	38.77	+12	46.18	+ 1
5	4.55	+ 1	47.87	− 6	12.93	+ 3	24.76	− 5	38.69	+11	45.85	− 2
6	4.96	− 4	47.63	− 5	13.03	0	24.45	− 6	38.61	+ 8	45.53	− 4
7	5.37	−10	47.39	− 4	13.15	− 3	24.14	− 6	38.55	+ 4	45.21	− 6
8	5.79	−14	47.16	− 1	13.26	− 7	23.83	− 4	38.49	− 2	44.88	− 7
9	6.23	−15	46.93	+ 1	13.39	− 9	23.53	− 2	38.45	− 7	44.55	− 7
10	6.67	−15	46.71	+ 4	13.52	−10	23.23	+ 1	38.42	−12	44.23	− 5
11	7.11	−12	46.49	+ 7	13.66	−10	22.93	+ 4	38.40	−16	43.90	− 3
12	7.57	− 7	46.27	+ 9	13.80	− 8	22.63	+ 7	38.39	−17	43.57	0
13	8.04	0	46.06	+ 9	13.95	− 4	22.33	+ 8	38.39	−15	43.24	+ 4
14	8.51	+ 7	45.85	+ 7	14.11	0	22.03	+ 8	38.40	−10	42.91	+ 6
15	8.99	+11	45.65	+ 4	14.28	+ 4	21.74	+ 6	38.42	− 4	42.57	+ 8
16	9.48	+13	45.45	0	14.45	+ 7	21.45	+ 2	38.45	+ 3	42.24	+ 7
17	9.98	+11	45.26	− 4	14.62	+ 8	21.16	− 2	38.49	+ 9	41.91	+ 5
18	10.48	+ 7	45.07	− 7	14.81	+ 7	20.88	− 5	38.55	+13	41.58	+ 1
19	10.99	+ 1	44.89	− 8	14.99	+ 4	20.60	− 8	38.61	+14	41.25	− 3
20	11.51	− 6	44.72	− 7	15.19	0	20.32	− 8	38.69	+11	40.92	− 6
21	12.03	−10	44.54	− 5	15.39	− 3	20.05	− 7	38.77	+ 6	40.59	− 8
22	12.56	−11	44.38	− 2	15.59	− 5	19.77	− 4	38.87	0	40.26	− 7
23	13.10	−10	44.22	+ 2	15.80	− 6	19.50	0	{ 38.97 39.09	− 5 − 8	39.93 39.60	− 6 − 2
24	13.64	− 5	44.06	+ 4	16.02	− 5	19.23	+ 3	39.22	− 9	39.26	+ 1
25	14.19	+ 1	43.91	+ 6	16.24	− 2	18.97	+ 5	39.36	− 7	38.93	+ 5
26	14.75	+ 7	43.77	+ 5	16.47	+ 1	18.71	+ 6	39.51	− 2	38.60	+ 7
27	15.31	+11	43.63	+ 4	16.70	+ 5	18.45	+ 6	39.67	+ 3	38.28	+ 7
28	15.87	+14	43.49	+ 1	16.94	+ 7	18.20	+ 4	39.84	+ 8	37.95	+ 7
29	16.44	+14	43.37	− 1	17.18	+ 8	17.95	+ 2	40.01	+11	37.63	+ 5
30	17.02	+12	43.25	− 4	17.43	+ 8	17.71	− 1	40.20	+12	37.31	+ 2
31	17.60	+ 8	43.13	− 5	17.68	+ 7	17.47	− 3	40.40	+12	36.98	− 1
32	18.19	+ 3	43.02	− 6	17.94	+ 4	17.23	− 5	40.61	+ 9	36.66	− 3
sec δ, tg δ	87° 49′ 40″	26.383	−26.364		86° 13′ 20″	15.178	−15.145		87° 39′ 40″	24.504	−24.483	
	50	26.417	−26.398		30	15.189	−15.156		50	24.533	−24.513	

Tag	σ Octantis 6^m				β Octantis 4^m.1				τ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1921	19^h 33^m	in s 0.01	−89° 12′	in ″ 0.01	22^h 38^m	in s 0.01	−81° 47′	in ″ 0.01	23^h 16^m	in s 0.01	−87° 54′	in ″ 0.01
Nov. 29	61.13	−23	55.40	+5	6.71	−3	45.09	0	48.94	−12	58.18	−1
30	60.17	−12	55.14	+7	6.57	−3	45.07	+3	48.34	−12	58.20	+2
Dez. 1	59.24	+1	54.87	+8	6.43	−2	45.04	+6	47.75	−11	58.21	+5
2	58.33	+14	54.60	+7	6.28	−1	45.00	+7	47.15	−7	58.21	+7
3	57.45	+24	54.32	+6	6.14	+1	44.96	+8	46.55	−2	58.21	+7
4	56.59	+31	54.04	+3	6.00	+2	44.91	+7	45.96	+3	58.20	+7
5	55.76	+32	53.76	+1	5.85	+3	44.85	+5	45.36	+7	58.19	+5
6	54.96	+28	53.47	−2	5.71	+3	44.79	+2	44.77	+10	58.17	+3
7	54.18	+19	53.18	−5	5.57	+3	44.72	−1	44.17	+12	58.14	0
8	53.43	+6	52.89	−7	5.43	+2	44.65	−4	43.57	+11	58.11	−3
9	52.71	−8	52.59	−8	5.29	+1	44.57	−7	42.97	+9	58.07	−6
10	52.02	−24	52.29	−7	5.15	0	44.48	−9	42.38	+4	58.02	−8
11	51.35	−37	51.99	−6	5.01	−2	44.39	−9	41.78	−1	57.97	−9
12	50.71	−45	51.69	−3	4.87	−3	44.29	−8	41.19	−7	57.91	−9
13	50.10	−46	51.38	0	4.74	−4	44.19	−6	40.59	−12	57.84	−7
14	49.52	−38	51.07	+4	4.61	−5	44.08	−2	40.00	−15	57.77	−4
15	48.97	−23	50.75	+6	4.47	−4	43.96	+2	39.41	−14	57.69	0
16	48.44	−3	50.43	+7	4.34	−2	43.84	+5	38.82	−11	57.60	+4
17	47.95	+17	50.11	+6	4.21	0	43.71	+7	38.24	−4	57.51	+7
18	47.48	+33	49.78	+4	4.08	+2	43.58	+7	37.66	+4	57.41	+8
19	47.05	+41	49.46	0	3.95	+4	43.44	+6	37.08	+10	57.30	+7
20	46.64	+39	49.13	−3	3.82	+4	43.29	+3	36.50	+15	57.19	+4
21	46.27	+28	48.80	−6	3.70	+4	43.14	0	35.93	+15	57.07	+1
22	45.92	+11	48.47	−7	3.57	+3	42.99	−3	35.36	+13	56.95	−2
23	45.61	−5	48.13	−6	3.45	+1	42.82	−5	34.79	+7	56.82	−5
24	45.32	−19	47.80	−4	3.32	−1	42.66	−5	34.23	0	56.69	−5
25	45.07	−26	47.46	0	3.20	−2	42.48	−4	33.67	−7	56.55	−4
26	44.84	−24	47.12	+3	3.08	−3	42.30	−1	33.11	−11	56.40	−2
27	44.65	−18	46.78	+6	2.96	−3	42.11	+2	32.56	−13	56.24	+1
28	44.49	−4	46.43	+8	2.84	−2	41.92	+5	32.01	−12	56.08	+4
29	44.36	+9	46.09	+8	2.73	−1	41.73	+7	31.46	−9	55.92	+6
30	44.26	+21	45.75	+6	2.61	0	41.53	+8	30.92	−4	55.75	+7
31	44.19	+29	45.41	+4	2.50	+2	41.32	+7	30.39	+2	55.57	+7
32	44.15	+32	45.06	+2	2.39	+3	41.11	+5	29.85	+6	55.39	+6

sec δ, tg δ	σ Octantis			β Octantis			τ Octantis		
	89° 12′ 50″	72.887	−72.881	81° 47′ 40″	7.006	−6.935	87° 54′ 50″	27.471	−27.453
	60	73.146	−73.139	50	7.009	−6.937	60	27.508	−27.490

Formeln

zur Reduktion auf den scheinbaren Ort

$$A = t - (0.34215 + 0.00031\,T)\sin\Omega + 0.00415\sin 2\Omega - 0.02526\sin 2L_\odot + 0.00251\sin M_\odot - 0.00099\sin(2L_\odot + M_\odot) + 0.00042\sin(2L_\odot - M_\odot) + 0.00025\sin(2L_\odot - \Omega)$$

$$A' = -0.00405\sin 2L_{☾} + 0.00135\sin M_{☾} - 0.00068\sin(2L_{☾} - \Omega) - 0.00052\sin(2L_{☾} + M_{☾}) + 0.00030\sin(2L_{☾} - 2L_\odot - M_{☾}) + 0.00023\sin(2L_{☾} - M_{☾}) + 0.00012\sin(2L_{☾} - 2L_\odot)$$

$$B = -(9''.210 + 0''.001\,T)\cos\Omega + 0''.090\cos 2\Omega - 0''.551\cos 2L_\odot - 0''.022\cos(2L_\odot + M_\odot) + 0''.009\cos(2L_\odot - M_\odot) + 0''.007\cos(2L_\odot - \Omega)$$

$$B' = -0''.089\cos 2L_{☾} - 0''.018\cos(2L_{☾} - \Omega) - 0''.011\cos(2L_{☾} + M_{☾}) + 0''.005\cos(2L_{☾} - M_{☾})$$

$$C = -20''.47\cos\odot\cos\varepsilon$$

$$D = -20''.47\sin\odot$$

$$E = -(0^s.0029 - 0^s.0004\,T)\sin\Omega$$

T Zeit seit 1900.0 in Einheiten von 100 tropischen Jahren
t Zeit seit Beginn des annus fictus, in Bruchteilen des tropischen Jahres

$a = m + {}^1/_{15}\,n\sin\alpha\,\mathrm{tg}\,\delta$	$a' = n\cos\alpha$
$b = {}^1/_{15}\cos\alpha\,\mathrm{tg}\,\delta$	$b' = -\sin\alpha$
$c = {}^1/_{15}\cos\alpha\sec\delta$	$c' = \mathrm{tg}\,\varepsilon\cos\delta - \sin\alpha\sin\delta$
$d = {}^1/_{15}\sin\alpha\sec\delta$	$d' = \cos\alpha\sin\delta$

$$\alpha_{\text{app.}} = \alpha_{1921.0} + t\,\mu_\alpha + Aa + Bb + Cc + Dd + E + [A'a + B'b]$$
$$\delta_{\text{app.}} = \delta_{1921.0} + t\,\mu_\delta + Aa' + Bb' + Cc' + Dd' \quad + [A'a' + B'b']$$

μ_α, μ_δ jährliche Eigenbewegung in Rektaszension, bez. Deklination

Setzt man:

$f = mA + E$	$f' = mA'$	$i = C\,\mathrm{tg}\,\varepsilon$
$g\sin G = B$	$g'\sin G' = B'$	$h\sin H = C$
$g\cos G = nA$	$g'\cos G' = nA'$	$h\cos H = D,$

so wird:

$$\alpha_{\text{app.}} = \alpha_{1921.0} + t\,\mu_\alpha + f + {}^1/_{15}\,g\sin(G+\alpha)\,\mathrm{tg}\,\delta + {}^1/_{15}\,h\sin(H+\alpha)\sec\delta + [f' + {}^1/_{15}\,g'\sin(G'+\alpha)\,\mathrm{tg}\,\delta]$$

$$\delta_{\text{app.}} = \delta_{1921.0} + t\,\mu_\delta + g\cos(G+\alpha) + h\cos(H+\alpha)\sin\delta + i\cos\delta + [g'\cos(G'+\alpha)]$$

für 12^h Sternzeit Greenwich

Mittlere Zeit Greenwich	t	log A	log B	log C	log D	E
1921						
Jan. 0.7	0.0009	9.30094	0.91892	0.52504$_n$	1.30410	+0^s.0014
10.7	0.0282	9.36713	0.91609	0.81677$_n$	1.28287	14
20.7	0.0555	9.42108	0.91036	0.98037$_n$	1.24601	14
30.6	0.0828	9.46485	0.90276	1.08828$_n$	1.19064	14
Febr. 9.6	0.1101	9.50020	0.89437	1.16319$_n$	1.11146	14
19.6	0.1374	9.52888	0.88649	1.21511$_n$	0.99787	+0.0013
März 1.6	0.1647	9.55246	0.88064	1.24917$_n$	0.82517	13
11.5	0.1920	9.57255	0.87783	1.26818$_n$	0.50947	13
21.5	0.2193	9.59063	0.87858	1.27363$_n$	9.47712$_n$	13
31.5	0.2466	9.60804	0.88309	1.26602$_n$	0.58001$_n$	13
April 10.4	0.2739	9.62587	0.89092	1.24522$_n$	0.85576$_n$	+0.0012
20.4	0.3012	9.64485	0.90119	1.21000$_n$	1.01364$_n$	12
30.4	0.3285	9.66539	0.91281	1.15806$_n$	1.11896$_n$	12
Mai 10.4	0.3558	9.68745	0.92454	1.08504$_n$	1.19301$_n$	12
20.3	0.3831	9.71076	0.93541	0.98245$_n$	1.24529$_n$	12
30.3	0.4104	9.73478	0.94453	0.83161$_n$	1.28074$_n$	+0.0011
Juni 9.3	0.4377	9.75889	0.95114	0.57841$_n$	1.30211$_n$	11
19.3	0.4650	9.78248	0.95506	9.84073$_n$	1.31084$_n$	11
29.2	0.4924	9.80495	0.95598	0.38364	1.30752$_n$	11
Juli 9.2	0.5197	9.82586	0.95415	0.73727	1.29195$_n$	11
19.2	0.5470	9.84487	0.94978	0.92195	1.26323$_n$	+0.0010
29.1	0.5743	9.86181	0.94359	1.04230	1.21940$_n$	10
Aug. 8.1	0.6016	9.87662	0.93621	1.12685	1.15682$_n$	10
18.1	0.6289	9.88940	0.92870	1.18741	1.06896$_n$	10
28.1	0.6562	9.90038	0.92195	1.22984	0.94211$_n$	9
Sept. 7.0	0.6835	9.90992	0.91709	1.25725	0.74218$_n$	+0.0009
17.0	0.7108	9.91849	0.91503	1.27133	0.32634$_n$	9
27.0	0.7381	9.92655	0.91614	1.27270	0.13418	9
Okt. 7.0	0.7654	9.93466	0.92049	1.26124	0.68350	8
16.9	0.7927	9.94331	0.92783	1.23603	0.91196	8
26.9	0.8200	9.95286	0.93747	1.19510	1.05227	+0.0008
Nov. 5.9	0.8473	9.96357	0.94812	1.13481	1.14829	8
15.8	0.8746	9.97547	0.95875	1.04856	1.21601	7
25.8	0.9019	9.98843	0.96820	0.92283	1.26300	7
Dez. 5.8	0.9292	0.00213	0.97557	0.72354	1.29316	7
15.8	0.9565	0.01616	0.98009	0.30878	1.30856	+0.0007
25.7	0.9838	0.03005	0.98150	0.10992$_n$	1.31012	6
35.7	1.0111	0.04334	0.97964	0.66030$_n$	1.29783	6

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i	i
1921		s		h m		h m		"
Jan. 0.5	0.0003	+0.614	0.9642	4 17.2	1.3101	23 23.1	0.1526$_n$	−1.421
1.5	0.0030	0.624	0.9655	4 15.7	1.3098	23 19.3	0.1942$_n$	1.564
2.5	0.0057	0.634	0.9668	4 14.1	1.3096	23 15.5	0.2320$_n$	1.706
3.5	0.0085	0.645	0.9680	4 12.6	1.3093	23 11.8	0.2665$_n$	1.847
4.5	0.0112	0.655	0.9692	4 11.1	1.3090	23 8.0	0.2984$_n$	1.988
5.5	0.0140	0.665	0.9704	4 9.6	1.3087	23 4.2	0.3280$_n$	2.128
6.5	0.0167	+0.675	0.9716	4 8.1	1.3084	23 0.4	0.3556$_n$	−2.268
7.5	0.0194	0.685	0.9728	4 6.6	1.3081	22 56.6	0.3815$_n$	2.407
8.5	0.0222	0.695	0.9740	4 5.1	1.3077	22 52.8	0.4057$_n$	2.545
9.5	0.0249	0.705	0.9752	4 3.6	1.3074	22 49.0	0.4285$_n$	2.682
10.5	0.0277	0.715	0.9763	4 2.2	1.3070	22 45.2	0.4501$_n$	2.819
11.5	0.0304	0.725	0.9774	4 0.7	1.3065	22 41.4	0.4704$_n$	2.954
12.5	0.0331	+0.735	0.9785	3 59.3	1.3061	22 37.6	0.4897$_n$	−3.088
13.5	0.0359	0.745	0.9796	3 57.9	1.3057	22 33.8	0.5081$_n$	3.222
14.5	0.0386	0.754	0.9806	3 56.4	1.3052	22 29.9	0.5256$_n$	3.354
15.5	0.0413	0.764	0.9816	3 55.0	1.3047	22 26.1	0.5423$_n$	3.486
16.5	0.0441	0.773	0.9826	3 53.6	1.3042	22 22.2	0.5582$_n$	3.616
17.5	0.0468	0.783	0.9836	3 52.2	1.3037	22 18.4	0.5735$_n$	3.745
18.5	0.0496	+0.792	0.9847	3 50.9	1.3032	22 14.5	0.5880$_n$	−3.873
19.5	0.0523	0.801	0.9857	3 49.5	1.3027	22 10.6	0.6021$_n$	4.000
20.5	0.0550	0.810	0.9866	3 48.2	1.3021	22 6.7	0.6154$_n$	4.125
21.5	0.0578	0.819	0.9876	3 46.9	1.3016	22 2.8	0.6283$_n$	4.249
22.5	0.0605	0.828	0.9886	3 45.5	1.3010	21 58.9	0.6407$_n$	4.372
23.5	0.0632	0.837	0.9895	3 44.2	1.3004	21 55.0	0.6525$_n$	4.493
24.5	0.0660	+0.846	0.9904	3 42.9	1.2998	21 51.1	0.6640$_n$	−4.613
25.5	0.0687	0.855	0.9913	3 41.7	1.2992	21 47.1	0.6750$_n$	4.732
26.5	0.0715	0.863	0.9922	3 40.4	1.2986	21 43.2	0.6857$_n$	4.849
27.5	0.0742	0.872	0.9931	3 39.1	1.2980	21 39.2	0.6958$_n$	4.964
28.5	0.0769	0.880	0.9940	3 37.9	1.2973	21 35.3	0.7056$_n$	5.077
29.5	0.0797	0.888	0.9948	3 36.7	1.2967	21 31.3	0.7151$_n$	5.189
30.5	0.0824	+0.897	0.9957	3 35.5	1.2960	21 27.3	0.7243$_n$	−5.300
31.5	0.0851	0.905	0.9965	3 34.3	1.2954	21 23.3	0.7331$_n$	5.409
Febr. 1.5	0.0879	0.913	0.9973	3 33.1	1.2947	21 19.3	0.7416$_n$	5.516
2.5	0.0906	0.921	0.9981	3 31.9	1.2941	21 15.3	0.7498$_n$	5.621
3.5	0.0934	0.928	0.9989	3 30.8	1.2934	21 11.3	0.7577$_n$	5.724
4.5	0.0961	0.936	0.9997	3 29.7	1.2928	21 7.2	0.7654$_n$	5.826
5.5	0.0988	+0.943	1.0005	3 28.6	1.2921	21 3.2	0.7728$_n$	
6.5	0.1016	0.951	1.0013	3 27.5	1.2914	20 59.1	0.7799$_n$	
7.5	0.1043	0.958	1.0021	3 26.4	1.2908	20 55.0	0.7868$_n$	
8.5	0.1071	0.966	1.0028	3 25.3	1.2901	20 50.9	0.7934$_n$	
9.5	0.1098	0.973	1.0036	3 24.3	1.2895	20 46.8	0.7998$_n$	
10.5	0.1125	0.980	1.0043	3 23.2	1.2888	20 42.7	0.8059$_n$	

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1921.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
1921	s in 0.001	" in 0.01				" in 0.01	23° 26'		" in 0.01
Jan. 0.5	+ 2	+ 8	h 18.5	" +0.01	" +10.02	+ 3	" 50.20	" −8.30	+ 8
1.5	− 2	6	16.8	0.15	10.05	− 4	50.18	8.29	+ 5
2.5	− 5	4	14.2	0.29	10.08	− 9	50.15	8.29	+ 2
3.5	− 7	4	11.0	0.43	10.11	−11	50.12	8.29	− 1
4.5	− 6	5	8.6	0.56	10.14	− 9	50.09	8.28	− 4
5.5	− 3	6	7.1	0.70	10.17	− 4	50.07	8.28	− 6
6.5	+ 1	+ 7	5.8	+0.84	+10.20	+ 1	50.07	−8.27	− 7
7.5	+ 4	7	4.6	0.98	10.23	+ 6	50.08	8.27	− 7
8.5	+ 6	7	3.4	1.11	10.26	+10	50.10	8.26	− 5
9.5	+ 8	6	2.1	1.25	10.28	+13	50.13	8.25	− 3
10.5	+ 8	5	0.3	1.39	10.31	+13	50.16	8.24	0
11.5	+ 7	5	22.1	1.53	10.33	+11	50.19	8.24	+ 2
12.5	+ 4	+ 6	19.9	+1.67	+10.35	+ 6	50.23	−8.23	+ 5
13.5	0	7	17.9	1.80	10.37	0	50.26	8.22	+ 7
14.5	− 5	8	16.3	1.94	10.39	− 8	50.27	8.21	+ 7
15.5	−10	9	14.9	2.08	10.41	−17	50.27	8.20	+ 6
16.5	−14	10	13.6	2.22	10.43	−23	50.26	8.18	+ 4
17.5	−16	10	12.3	2.35	10.44	−26	50.23	8.17	+ 1
18.5	−15	+10	11.0	+2.49	+10.46	−25	50.21	−8.16	− 3
19.5	−11	9	9.4	2.63	10.47	−19	50.19	8.15	− 6
20.5	− 6	8	7.6	2.77	10.48	− 9	50.18	8.14	− 8
21.5	+ 1	8	5.5	2.90	10.49	+ 2	50.19	8.12	− 8
22.5	+ 8	8	3.2	3.04	10.50	+12	50.23	8.11	− 6
23.5	+12	8	1.0	3.18	10.51	+19	50.29	8.10	− 2
24.5	+13	+ 9	23.2	+3.32	+10.52	+22	50.33	−8.08	+ 2
25.5	+12	9	21.6	3.45	10.52	+19	50.37	8.07	+ 6
26.5	+ 8	9	20.3	3.59	10.52	+13	50.41	8.05	+ 8
27.5	+ 3	8	19.0	3.73	10.52	+ 5	50.43	8.04	+ 8
28.5	− 2	6	17.4	3.87	10.52	− 3	50.42	8.03	+ 6
29.5	− 5	5	15.2	4.00	10.52	− 8	50.41	8.01	+ 3
30.5	− 6	+ 4	12.1	+4.14	+10.52	−10	50.39	−8.00	0
31.5	− 5	5	9.2	4.28	10.51	− 9	50.37	7.98	− 3
Febr. 1.5	− 3	6	7.3	4.42	10.51	− 5	50.36	7.96	− 6
2.5	0	7	5.9	4.55	10.50	0	50.36	7.95	− 7
3.5	+ 3	7	4.9	4.69	10.49	+ 5	50.38	7.93	− 7
4.5	+ 6	7	3.6	4.83	10.48	+10	50.40	7.92	− 6
5.5	+ 8	+ 7	2.3	+4.97	+10.46	+14	50.43	−7.90	− 4
6.5	+ 9	6	0.8	5.11	10.45	+15	50.47	7.89	− 1
7.5	+ 8	6	22.9	5.24	10.43	+13	50.52	7.87	+ 2
8.5	+ 6	6	20.9	5.38	10.41	+ 9	50.56	7.86	+ 4
9.5	+ 2	6	18.9	5.52	10.39	+ 3	50.59	7.84	+ 6
10.5	− 3	7	17.0	5.66	10.37	− 4	50.61	7.83	+ 7

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i
1921							
Febr. 10.5	0.1125	+0.980 s	1.0043	3 h 23.2 m	1.2888	20 h 42.7 m	0.8059_n
11.5	0.1153	0.987	1.0051	3 22.2	1.2882	20 38.6	0.8118_n
12.5	0.1180	0.994	1.0058	3 21.2	1.2875	20 34.5	0.8176_n
13.5	0.1207	1.001	1.0066	3 20.2	1.2869	20 30.3	0.8231_n
14.5	0.1235	1.007	1.0073	3 19.3	1.2862	20 26.2	0.8284_n
15.5	0.1262	1.014	1.0080	3 18.3	1.2856	20 22.0	0.8335_n
16.5	0.1290	+1.020	1.0087	3 17.4	1.2850	20 17.9	0.8384_n
17.5	0.1317	1.027	1.0094	3 16.5	1.2844	20 13.7	0.8431_n
18.5	0.1344	1.033	1.0101	3 15.6	1.2838	20 9.5	0.8476_n
19.5	0.1372	1.039	1.0108	3 14.7	1.2832	20 5.3	0.8520_n
20.5	0.1399	1.046	1.0116	3 13.9	1.2826	20 1.1	0.8562_n
21.5	0.1426	1.052	1.0123	3 13.0	1.2820	19 56.9	0.8602_n
22.5	0.1454	+1.058	1.0131	3 12.2	1.2815	19 52.6	0.8640_n
23.5	0.1481	1.064	1.0139	3 11.4	1.2809	19 48.4	0.8677_n
24.5	0.1509	1.069	1.0146	3 10.6	1.2804	19 44.1	0.8712_n
25.5	0.1536	1.075	1.0154	3 9.8	1.2799	19 39.9	0.8745_n
26.5	0.1563	1.081	1.0162	3 9.1	1.2794	19 35.6	0.8777_n
27.5	0.1591	1.087	1.0169	3 8.4	1.2789	19 31.4	0.8807_n
28.5	0.1618	+1.092	1.0177	3 7.7	1.2785	19 27.1	0.8836_n
März 1.5	0.1645	1.097	1.0184	3 7.0	1.2780	19 22.8	0.8863_n
2.5	0.1673	1.103	1.0191	3 6.3	1.2776	19 18.5	0.8889_n
3.5	0.1700	1.108	1.0199	3 5.6	1.2772	19 14.2	0.8913_n
4.5	0.1728	1.114	1.0208	3 5.0	1.2768	19 9.9	0.8935_n
5.5	0.1755	1.119	1.0216	3 4.3	1.2764	19 5.6	0.8956_n
6.5	0.1782	+1.124	1.0224	3 3.7	1.2761	19 1.3	0.8976_n
7.5	0.1810	1.129	1.0233	3 3.1	1.2758	18 57.0	0.8994_n
8.5	0.1837	1.134	1.0241	3 2.5	1.2755	18 52.7	0.9011_n
9.5	0.1865	1.139	1.0249	3 2.0	1.2752	18 48.3	0.9027_n
10.5	0.1892	1.144	1.0257	3 1.4	1.2749	18 44.0	0.9041_n
11.5	0.1919	1.149	1.0266	3 0.9	1.2747	18 39.7	0.9054_n
12.5	0.1947	+1.155	1.0275	3 0.3	1.2745	18 35.3	0.9066_n
13.5	0.1974	1.160	1.0284	2 59.8	1.2743	18 31.0	0.9076_n
14.5	0.2001	1.165	1.0294	2 59.4	1.2741	18 26.7	0.9084_n
15.5	0.2029	1.169	1.0303	2 58.9	1.2740	18 22.3	0.9092_n
16.5	0.2056	1.174	1.0312	2 58.4	1.2739	18 18.0	0.9098_n
17.5	0.2084	1.179	1.0322	2 58.0	1.2738	18 13.7	0.9103_n
18.5	0.2111	+1.184	1.0332	2 57.5	1.2737	18 9.3	0.9106_n
19.5	0.2138	1.189	1.0342	2 57.1	1.2737	18 5.0	0.9108_n
20.5	0.2166	1.194	1.0352	2 56.7	1.2737	18 0.7	0.9109_n
21.5	0.2193	1.199	1.0362	2 56.3	1.2737	17 56.4	0.9109_n
22.5	0.2220	1.203	1.0372	2 55.9	1.2737	17 52.0	0.9107_n
23.5	0.2248	1.208	1.0383	2 55.5	1.2738	17 47.7	0.9104_n

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1921.0	Δψ	Δψ'	Wahre Schiefe	Δε	Δε'
1921	in 0.001	in 0.01				in 0.01	23° 26'		in 0.01
Febr. 10.5	− 3	+ 7	17.0	+ 5.66	+10.37	− 4	50.61	−7.83	+ 7
11.5	− 8	8	15.5	5.79	10.35	−13	50.62	7.81	+ 6
12.5	−12	9	14.1	5.93	10.32	−20	50.62	7.80	+ 5
13.5	−15	10	12.8	6.07	10.30	−25	50.60	7.78	+ 2
14.5	−16	10	11.4	6.21	10.27	−25	50.58	7.77	− 2
15.5	−13	10	9.9	6.34	10.24	−21	50.56	7.75	− 5
16.5	− 8	+ 9	8.3	+ 6.48	+10.21	−13	50.55	−7.74	− 7
17.5	− 2	8	6.5	6.62	10.17	− 2	50.55	7.73	− 8
18.5	+ 5	7	4.3	6.76	10.14	+ 8	50.58	7.71	− 6
19.5	+10	7	1.9	6.89	10.10	+16	50.62	7.70	− 3
20.5	+12	8	23.8	7.03	10.07	+20	50.67	7.69	0
21.5	+11	9	21.9	7.17	10.03	+19	50.72	7.68	+ 4
22.5	+ 8	+ 9	20.5	+ 7.31	+ 9.99	+14	50.76	−7.66	+ 7
23.5	+ 4	8	19.1	7.44	9.95	+ 6	50.78	7.65	+ 8
24.5	− 1	7	17.7	7.58	9.91	− 1	50.78	7.64	+ 7
25.5	− 4	5	15.9	7.72	9.86	− 7	50.76	7.63	+ 5
26.5	− 6	4	13.2	7.86	9.82	−10	50.74	7.62	+ 1
27.5	− 6	4	9.9	8.00	9.77	−10	50.71	7.61	− 2
28.5	− 4	+ 6	7.8	+ 8.13	+ 9.73	− 6	50.69	−7.61	− 5
März 1.5	− 1	7	6.2	8.27	9.68	− 1	50.68	7.60	− 7
2.5	+ 3	7	4.8	8.41	9.63	+ 5	50.68	7.59	− 7
3.5	+ 6	7	3.9	8.55	9.58	+10	50.70	7.58	− 6
4.5	+ 8	7	2.6	8.68	9.53	+13	50.72	7.58	− 4
5.5	+ 9	6	1.3	8.82	9.48	+15	50.75	7.57	− 2
6.5	+ 9	+ 6	23.6	+ 8.96	+ 9.42	+15	50.78	−7.56	+ 1
7.5	+ 7	6	21.6	9.10	9.37	+12	50.81	7.56	+ 3
8.5	+ 4	6	19.6	9.23	9.32	+ 6	50.84	7.56	+ 6
9.5	0	7	17.8	9.37	9.26	− 1	50.85	7.55	+ 7
10.5	− 5	8	16.2	9.51	9.21	− 9	50.85	7.55	+ 7
11.5	−10	9	14.7	9.65	9.15	−16	50.84	7.55	+ 6
12.5	−13	+ 9	13.3	+ 9.78	+ 9.10	−22	50.82	−7.54	+ 3
13.5	−15	9	11.9	9.92	9.04	−24	50.78	7.54	0
14.5	−13	9	10.4	10.06	8.98	−22	50.75	7.54	− 4
15.5	− 9	9	8.8	10.20	8.93	−15	50.72	7.54	− 6
16.5	− 3	8	7.1	10.33	8.87	− 6	50.70	7.55	− 8
17.5	+ 3	7	5.0	10.47	8.81	+ 5	50.71	7.55	− 7
18.5	+ 8	+ 7	2.8	+10.61	+ 8.75	+13	50.73	−7.55	− 5
19.5	+11	7	0.5	10.75	8.69	+18	50.76	7.55	− 1
20.5	+11	8	22.5	10.88	8.64	+18	50.79	7.56	+ 3
21.5	+ 9	8	20.8	11.02	8.58	+14	50.82	7.56	+ 6
22.5	+ 5	8	19.4	11.16	8.52	+ 8	50.83	7.57	+ 8
23.5	0	7	18.1	11.30	8.46	0	50.82	7.57	+ 8

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i
1921		s		h m		h m	
März 23.5	0.2248	+1.208	1.0383	2 55.5	1.2738	17 47.7	0.9104_n
24.5	0.2275	1.213	1.0394	2 55.2	1.2739	17 43.4	0.9100_n
25.5	0.2303	1.218	1.0406	2 54.8	1.2740	17 39.1	0.9094_n
26.5	0.2330	1.223	1.0417	2 54.5	1.2741	17 34.8	0.9087_n
27.5	0.2357	1.228	1.0428	2 54.1	1.2742	17 30.5	0.9078_n
28.5	0.2385	1.233	1.0439	2 53.8	1.2744	17 26.2	0.9069_n
29.5	0.2412	+1.238	1.0451	2 53.5	1.2746	17 21.9	0.9058_n
30.5	0.2439	1.243	1.0463	2 53.2	1.2748	17 17.6	0.9047_n
31.5	0.2467	1.248	1.0476	2 52.9	1.2751	17 13.3	0.9033_n
April 1.5	0.2494	1.253	1.0488	2 52.6	1.2753	17 9.0	0.9018_n
2.5	0.2522	1.258	1.0500	2 52.3	1.2756	17 4.8	0.9002_n
3.5	0.2549	1.263	1.0513	2 52.1	1.2759	17 0.5	0.8985_n
4.5	0.2576	+1.268	1.0526	2 51.8	1.2763	16 56.3	0.8965_n
5.5	0.2604	1.273	1.0539	2 51.5	1.2766	16 52.0	0.8945_n
6.5	0.2631	1.278	1.0553	2 51.3	1.2770	16 47.8	0.8923_n
7.5	0.2659	1.284	1.0566	2 51.0	1.2774	16 43.6	0.8900_n
8.5	0.2686	1.289	1.0579	2 50.7	1.2778	16 39.4	0.8876_n
9.5	0.2713	1.295	1.0594	2 50.5	1.2782	16 35.2	0.8850_n
10.5	0.2741	+1.300	1.0608	2 50.3	1.2787	16 31.0	0.8823_n
11.5	0.2768	1.305	1.0622	2 50.0	1.2791	16 26.8	0.8794_n
12.5	0.2795	1.311	1.0637	2 49.8	1.2796	16 22.7	0.8764_n
13.5	0.2823	1.317	1.0651	2 49.5	1.2801	16 18.5	0.8733_n
14.5	0.2850	1.323	1.0666	2 49.3	1.2806	16 14.4	0.8700_n
15.5	0.2878	1.328	1.0682	2 49.1	1.2811	16 10.3	0.8665_n
16.5	0.2905	+1.334	1.0697	2 48.8	1.2816	16 6.1	0.8630_n
17.5	0.2932	1.340	1.0712	2 48.6	1.2822	16 2.0	0.8592_n
18.5	0.2960	1.346	1.0728	2 48.4	1.2827	15 57.9	0.8552_n
19.5	0.2987	1.352	1.0744	2 48.2	1.2833	15 53.9	0.8511_n
20.5	0.3014	1.358	1.0759	2 47.9	1.2839	15 49.8	0.8469_n
21.5	0.3042	1.364	1.0775	2 47.7	1.2845	15 45.7	0.8425_n
22.5	0.3069	+1.371	1.0792	2 47.5	1.2850	15 41.7	0.8379_n
23.5	0.3097	1.377	1.0808	2 47.3	1.2856	15 37.7	0.8331_n
24.5	0.3124	1.384	1.0824	2 47.0	1.2862	15 33.7	0.8282_n
25.5	0.3151	1.390	1.0840	2 46.8	1.2869	15 29.7	0.8231_n
26.5	0.3179	1.397	1.0857	2 46.6	1.2875	15 25.7	0.8178_n
27.5	0.3206	1.403	1.0874	2 46.3	1.2881	15 21.7	0.8123_n
28.5	0.3233	+1.410	1.0891	2 46.1	1.2887	15 17.8	0.8066_n
29.5	0.3261	1.417	1.0908	2 45.8	1.2894	15 13.8	0.8007_n
30.5	0.3288	1.424	1.0925	2 45.6	1.2900	15 9.9	0.7946_n
Mai 1.5	0.3316	1.431	1.0942	2 45.3	1.2906	15 6.0	0.7884_n
2.5	0.3343	1.438	1.0960	2 45.1	1.2912	15 2.1	0.7819_n
3.5	0.3370	1.445	1.0977	2 44.8	1.2919	14 58.2	0.7752_n

Mittl. Zeit Greenwich	f′	g′	G′	Allgemeine Präzession seit 1921.0	Δψ	Δψ′	Wahre Schiefe	Δε	Δε′
1921	s in 0.001	″ in 0.01				″ in 0.01	23° 26′		″ in 0.01
März 23.5	0	+7	h 18.1	″ +11.30	″ +8.46	0	″ 50.82	″ −7.57	+8
24.5	−4	6	16.2	11.44	8.40	−7	50.79	7.58	+6
25.5	−7	5	13.9	11.57	8.34	−11	50.75	7.59	+2
26.5	−7	5	11.1	11.71	8.29	−11	50.71	7.59	−1
27.5	−5	5	8.6	11.85	8.23	−8	50.67	7.60	−4
28.5	−2	6	6.8	11.99	8.17	−3	50.64	7.61	−6
29.5	+2	+7	5.5	+12.12	+8.12	+2	50.62	−7.62	−7
30.5	+5	7	4.3	12.26	8.06	+8	50.61	7.63	−7
31.5	+8	7	3.1	12.40	8.00	+12	50.61	7.64	−5
April 1.5	+9	7	1.7	12.54	7.95	+15	50.62	7.65	−3
2.5	+9	6	0.1	12.67	7.89	+15	50.64	7.66	0
3.5	+8	6	22.2	12.81	7.84	+13	50.65	7.68	+3
4.5	+5	+6	20.3	+12.95	+7.78	+8	50.66	−7.69	+5
5.5	+1	7	18.4	13.09	7.73	+2	50.66	7.70	+6
6.5	−4	7	16.8	13.22	7.68	−6	50.65	7.72	+7
7.5	−8	8	15.3	13.36	7.63	−13	50.63	7.73	+6
8.5	−12	9	13.8	13.50	7.58	−20	50.59	7.75	+4
9.5	−14	9	12.3	13.64	7.53	−23	50.54	7.76	+1
10.5	−13	+9	10.8	+13.77	+7.48	−21	50.49	−7.78	−3
11.5	−10	9	9.2	13.91	7.44	−16	50.44	7.80	−6
12.5	−5	8	7.4	14.05	7.39	−8	50.40	7.81	−7
13.5	+2	8	5.5	14.19	7.34	+2	50.38	7.83	−8
14.5	+7	7	3.4	14.33	7.30	+12	50.38	7.85	−6
15.5	+11	7	1.2	14.46	7.26	+18	50.40	7.87	−2
16.5	+12	+8	23.2	+14.60	+7.21	+19	50.42	−7.89	+2
17.5	+10	8	21.4	14.74	7.17	+16	50.43	7.91	+5
18.5	+6	8	19.8	14.88	7.13	+10	50.43	7.93	+7
19.5	+1	8	18.3	15.01	7.10	+2	50.41	7.95	+8
20.5	−4	7	16.6	15.15	7.06	−6	50.38	7.97	+6
21.5	−7	6	14.6	15.29	7.02	−11	50.33	7.99	+4
22.5	−8	+5	12.1	+15.43	+6.99	−12	50.27	−8.01	0
23.5	−6	5	9.5	15.56	6.95	−11	50.22	8.03	−3
24.5	−4	6	7.5	15.70	6.92	−6	50.17	8.05	−6
25.5	0	7	6.0	15.84	6.89	0	50.13	8.07	−7
26.5	+4	7	4.7	15.98	6.86	+6	50.11	8.09	−7
27.5	+7	7	3.5	16.11	6.84	+11	50.10	8.12	−6
28.5	+8	+7	2.3	+16.25	+6.81	+14	50.09	−8.14	−4
29.5	+9	6	0.7	16.39	6.78	+15	50.10	8.16	−1
30.5	+8	5	22.9	16.53	6.76	+13	50.10	8.18	+2
Mai 1.5	+6	6	20.8	16.66	6.74	+9	50.10	8.20	+4
2.5	+2	6	18.8	16.80	6.72	+3	50.10	8.23	+6
3.5	−3	7	17.1	16.94	6.70	−4	50.08	8.25	+7

Mittl. Zeit Greenwich		t	f	log g	G	log h	H	log i	i
1921			s		h m		h m		"
Mai	3.5	0.3370	+1.445	1.0977	2 44.8	1.2919	14 58.2	0.7752$_n$	
	4.5	0.3398	1.453	1.0995	2 44.6	1.2925	14 54.3	0.7681$_n$	
	5.5	0.3425	1.460	1.1013	2 44.3	1.2932	14 50.4	0.7609$_n$	
	6.5	0.3452	1.468	1.1030	2 44.0	1.2938	14 46.6	0.7535$_n$	
	7.5	0.3480	1.475	1.1048	2 43.8	1.2944	14 42.7	0.7459$_n$	
	8.5	0.3507	1.483	1.1066	2 43.5	1.2950	14 38.9	0.7379$_n$	
	9.5	0.3535	+1.491	1.1084	2 43.2	1.2956	14 35.1	0.7297$_n$	−5.366
	10.5	0.3562	1.498	1.1102	2 42.9	1.2963	14 31.3	0.7211$_n$	5.261
	11.5	0.3589	1.506	1.1120	2 42.6	1.2969	14 27.5	0.7123$_n$	5.156
	12.5	0.3617	1.514	1.1137	2 42.3	1.2975	14 23.7	0.7032$_n$	5.049
	13.5	0.3644	1.522	1.1156	2 42.0	1.2981	14 20.0	0.6938$_n$	4.941
	14.5	0.3672	1.531	1.1174	2 41.7	1.2987	14 16.2	0.6841$_n$	4.832
	15.5	0.3699	+1.539	1.1192	2 41.3	1.2992	14 12.5	0.6740$_n$	−4.721
	16.5	0.3726	1.547	1.1210	2 41.0	1.2998	14 8.7	0.6636$_n$	4.609
	17.5	0.3754	1.555	1.1228	2 40.7	1.3004	14 5.0	0.6527$_n$	4.495
	18.5	0.3781	1.564	1.1247	2 40.3	1.3009	14 1.3	0.6415$_n$	4.380
	19.5	0.3808	1.573	1.1265	2 40.0	1.3015	13 57.6	0.6298$_n$	4.264
	20.5	0.3836	1.581	1.1283	2 39.6	1.3020	13 53.9	0.6177$_n$	4.147
	21.5	0.3863	+1.590	1.1302	2 39.3	1.3025	13 50.3	0.6051$_n$	−4.028
	22.5	0.3891	1.599	1.1320	2 38.9	1.3031	13 46.6	0.5921$_n$	3.909
	23.5	0.3918	1.608	1.1338	2 38.5	1.3036	13 42.9	0.5785$_n$	3.789
	24.5	0.3945	1.616	1.1355	2 38.2	1.3040	13 39.3	0.5644$_n$	3.668
	25.5	0.3973	1.625	1.1373	2 37.8	1.3045	13 35.7	0.5496$_n$	3.545
	26.5	0.4000	1.635	1.1392	2 37.4	1.3050	13 32.0	0.5343$_n$	3.422
	27.5	0.4027	+1.644	1.1410	2 37.0	1.3054	13 28.4	0.5183$_n$	−3.298
	28.5	0.4055	1.653	1.1428	2 36.6	1.3058	13 24.8	0.5013$_n$	3.172
	29.5	0.4082	1.662	1.1446	2 36.2	1.3063	13 21.2	0.4837$_n$	3.046
	30.5	0.4110	1.671	1.1464	2 35.7	1.3067	13 17.6	0.4652$_n$	2.919
	31.5	0.4137	1.681	1.1482	2 35.3	1.3070	13 14.0	0.4459$_n$	2.792
Juni	1.5	0.4164	1.690	1.1499	2 34.9	1.3074	13 10.4	0.4254$_n$	2.663
	2.5	0.4192	+1.700	1.1517	2 34.5	1.3078	13 6.9	0.4038$_n$	−2.534
	3.5	0.4219	1.709	1.1534	2 34.0	1.3081	13 3.3	0.3811$_n$	2.405
	4.5	0.4246	1.719	1.1552	2 33.6	1.3084	12 59.7	0.3570$_n$	2.275
	5.5	0.4274	1.728	1.1569	2 33.1	1.3087	12 56.2	0.3312$_n$	2.144
	6.5	0.4301	1.738	1.1587	2 32.6	1.3090	12 52.6	0.3036$_n$	2.012
	7.5	0.4329	1.748	1.1604	2 32.2	1.3093	12 49.1	0.2742$_n$	1.880
	8.5	0.4356	+1.757	1.1621	2 31.7	1.3095	12 45.6	0.2425$_n$	−1.748
	9.5	0.4383	1.767	1.1638	2 31.2	1.3098	12 42.0	0.2082$_n$	1.615
	10.5	0.4411	1.777	1.1655	2 30.8	1.3100	12 38.5	0.1706$_n$	1.481
	11.5	0.4438	1.787	1.1671	2 30.3	1.3102	12 35.0	0.1297$_n$	1.348
	12.5	0.4466	1.796	1.1688	2 29.8	1.3103	12 31.5	0.0842$_n$	1.214
	13.5	0.4493	1.806	1.1705	2 29.3	1.3105	12 27.9	0.0330$_n$	1.079

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1921.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
1921	in $0.^{s}001$	in $0.''01$				in $0.''01$	23° 26′		in $0.''01$
Mai 3.5	− 3	+ 7	$17.^{h}1$	+16.94″	+6.70″	− 4	50.08″	−8.25″	+ 7
4.5	− 7	8	15.6	17.08	6.68	−12	50.05	8.27	+ 6
5.5	−11	9	14.2	17.22	6.66	−18	50.01	8.30	+ 5
6.5	−14	9	12.8	17.35	6.65	−22	49.96	8.32	+ 2
7.5	−14	9	11.4	17.49	6.63	−22	49.90	8.34	− 2
8.5	−11	9	9.8	17.63	6.62	−18	49.85	8.36	− 5
9.5	− 6	+ 8	8.0	+17.77	+6.61	−10	49.80	−8.39	− 7
10.5	0	8	6.0	17.90	6.60	0	49.77	8.41	− 8
11.5	+ 6	8	3.9	18.04	6.59	+10	49.76	8.43	− 7
12.5	+11	8	1.8	18.18	6.59	+17	49.76	8.45	− 4
13.5	+13	8	23.8	18.32	6.58	+21	49.78	8.47	0
14.5	+12	9	22.1	18.45	6.58	+19	49.79	8.50	+ 4
15.5	+ 8	+ 9	20.5	+18.59	+6.57	+13	49.80	−8.52	+ 7
16.5	+ 3	8	19.0	18.73	6.57	+ 5	49.79	8.54	+ 8
17.5	− 2	7	17.4	18.87	6.57	− 3	49.76	8.56	+ 7
18.5	− 6	6	15.4	19.00	6.57	− 9	49.71	8.58	+ 4
19.5	− 8	5	13.0	19.14	6.58	−12	49.65	8.60	+ 1
20.5	− 7	5	10.3	19.28	6.58	−12	49.60	8.62	− 2
21.5	− 5	+ 6	8.2	+19.42	+6.58	− 8	49.55	−8.64	− 5
22.5	− 2	7	6.6	19.55	6.59	− 2	49.51	8.66	− 7
23.5	+ 2	7	5.2	19.69	6.60	+ 4	49.49	8.68	− 7
24.5	+ 6	7	3.9	19.83	6.61	+ 9	49.48	8.70	− 6
25.5	+ 8	7	2.6	19.97	6.62	+13	49.48	8.72	− 4
26.5	+ 9	6	1.2	20.10	6.63	+14	49.48	8.73	− 2
27.5	+ 8	+ 5	23.4	+20.24	+6.64	+14	49.49	−8.75	+ 1
28.5	+ 6	5	21.4	20.38	6.65	+10	49.50	8.77	+ 3
29.5	+ 3	6	19.3	20.52	6.66	+ 5	49.50	8.79	+ 5
30.5	− 2	7	17.4	20.66	6.68	− 3	49.49	8.80	+ 7
31.5	− 6	8	16.0	20.79	6.69	−10	49.48	8.82	+ 7
Juni 1.5	−11	9	14.6	20.93	6.71	−18	49.45	8.83	+ 5
2.5	−14	+ 9	13.2	+21.07	+6.73	−23	49.41	−8.85	+ 3
3.5	−15	9	11.8	21.21	6.74	−24	49.36	8.86	0
4.5	−13	9	10.4	21.34	6.76	−21	49.31	8.88	− 4
5.5	− 9	9	8.7	21.48	6.78	−14	49.27	8.89	− 6
6.5	− 3	8	6.8	21.62	6.80	− 4	49.24	8.90	− 8
7.5	+ 4	8	4.7	21.76	6.82	+ 7	49.23	8.91	− 7
8.5	+ 9	+ 8	2.5	+21.89	+6.84	+15	49.24	−8.93	− 5
9.5	+13	8	0.5	22.03	6.87	+21	49.27	8.94	− 1
10.5	+13	9	22.7	22.17	6.89	+21	49.30	8.95	+ 3
11.5	+10	9	21.2	22.31	6.91	+17	49.32	8.96	+ 6
12.5	+ 6	9	19.7	22.44	6.93	+10	49.32	8.97	+ 8
13.5	+ 1	8	18.2	22.58	6.96	+ 1	49.31	8.98	+ 8

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i	i
1921		s		h m		h m		″
Juni 13.5	0.4493	+1.806	1.1705	2 29.3	1.3105	12 27.9	0.0330_n	−1.079
14.5	0.4520	1.816	1.1721	2 28.8	1.3106	12 24.4	9.9750_n	0.944
15.5	0.4548	1.826	1.1737	2 28.3	1.3108	12 20.9	9.9079_n	0.809
16.5	0.4575	1.836	1.1754	2 27.8	1.3109	12 17.4	9.8287_n	0.674
17.5	0.4602	1.846	1.1770	2 27.3	1.3110	12 13.9	9.7308_n	0.538
18.5	0.4630	1.856	1.1785	2 26.7	1.3110	12 10.4	9.6053_n	0.403
19.5	0.4657	+1.866	1.1801	2 26.2	1.3111	12 6.9	9.4265_n	−0.267
20.5	0.4685	1.876	1.1817	2 25.7	1.3111	12 3.4	9.1173_n	−0.131
21.5	0.4712	1.886	1.1833	2 25.1	1.3111	11 59.9	7.6021	+0.004
22.5	0.4739	1.896	1.1848	2 24.6	1.3111	11 56.4	9.1461	0.140
23.5	0.4767	1.906	1.1863	2 24.1	1.3111	11 52.9	9.4409	0.276
24.5	0.4794	1.915	1.1879	2 23.5	1.3110	11 49.4	9.6138	0.411
25.5	0.4821	+1.925	1.1894	2 23.0	1.3110	11 45.9	9.7372	+0.546
26.5	0.4849	1.935	1.1909	2 22.4	1.3109	11 42.4	9.8325	0.680
27.5	0.4876	1.945	1.1924	2 21.9	1.3108	11 38.9	9.9112	0.815
28.5	0.4904	1.955	1.1938	2 21.3	1.3106	11 35.4	9.9777	0.950
29.5	0.4931	1.965	1.1953	2 20.8	1.3105	11 31.9	0.0354	1.085
30.5	0.4958	1.975	1.1967	2 20.2	1.3103	11 28.4	0.0860	1.219
Juli 1.5	0.4986	+1.985	1.1981	2 19.7	1.3102	11 24.9	0.1313	+1.353
2.5	0.5013	1.994	1.1995	2 19.1	1.3100	11 21.3	0.1720	1.486
3.5	0.5040	2.004	1.2009	2 18.5	1.3097	11 17.8	0.2092	1.619
4.5	0.5068	2.014	1.2022	2 18.0	1.3095	11 14.3	0.2435	1.752
5.5	0.5095	2.023	1.2036	2 17.4	1.3093	11 10.8	0.2751	1.884
6.5	0.5123	2.033	1.2049	2 16.8	1.3090	11 7.2	0.3045	2.016
7.5	0.5150	+2.043	1.2062	2 16.3	1.3087	11 3.7	0.3318	+2.147
8.5	0.5177	2.052	1.2075	2 15.7	1.3084	11 0.2	0.3576	2.278
9.5	0.5205	2.062	1.2088	2 15.2	1.3081	10 56.6	0.3817	2.408
10.5	0.5232	2.071	1.2101	2 14.6	1.3078	10 53.1	0.4043	2.537
11.5	0.5260	2.081	1.2113	2 14.0	1.3074	10 49.5	0.4257	2.665
12.5	0.5287	2.090	1.2126	2 13.5	1.3070	10 46.0	0.4461	2.793
13.5	0.5314	+2.099	1.2138	2 12.9	1.3066	10 42.4	0.4654	+2.920
14.5	0.5342	2.109	1.2150	2 12.3	1.3062	10 38.8	0.4837	3.046
15.5	0.5369	2.118	1.2162	2 11.8	1.3058	10 35.2	0.5012	3.171
16.5	0.5396	2.127	1.2174	2 11.2	1.3054	10 31.6	0.5179	3.295
17.5	0.5424	2.136	1.2186	2 10.6	1.3050	10 28.0	0.5339	3.419
18.5	0.5451	2.145	1.2197	2 10.1	1.3045	10 24.4	0.5492	3.542
19.5	0.5479	+2.154	1.2208	2 9.5	1.3040	10 20.8	0.5640	+3.664
20.5	0.5506	2.163	1.2220	2 8.9	1.3036	10 17.2	0.5780	3.784
21.5	0.5533	2.172	1.2231	2 8.4	1.3031	10 13.6	0.5915	3.904
22.5	0.5561	2.180	1.2241	2 7.8	1.3026	10 9.9	0.6046	4.023
23.5	0.5588	2.189	1.2252	2 7.3	1.3020	10 6.3	0.6171	4.141
24.5	0.5615	2.197	1.2263	2 6.7	1.3015	10 2.6	0.6291	4.257

Mittl. Zeit Greenwich	f′	g′	G′	Allgemeine Präzession seit 1921.0	Δψ	Δψ′	Wahre Schiefe	Δε	Δε′
1921	in 0.001 s	in 0.01″				in 0.01″	23° 26′		in 0.01″
Juni 13.5	+ 1	+ 8	18.2 h	+22.58″	+6.96″	+ 1	49.31″	−8.98″	+ 8
14.5	− 4	6	16.4	22.72	6.98	− 6	49.28	8.98	+ 5
15.5	− 7	5	13.9	22.86	7.01	−11	49.24	8.99	+ 2
16.5	− 7	5	11.0	22.99	7.03	−12	49.20	9.00	− 1
17.5	− 5	6	8.6	23.13	7.06	− 9	49.16	9.01	− 4
18.5	− 2	6	6.9	23.27	7.08	− 4	49.13	9.01	− 6
19.5	+ 1	+ 7	5.5	+23.41	+7.10	+ 2	49.12	−9.02	− 7
20.5	+ 5	7	4.2	23.55	7.13	+ 8	49.12	9.02	− 7
21.5	+ 8	7	3.0	23.68	7.16	+12	49.13	9.02	− 5
22.5	+ 9	6	1.6	23.82	7.18	+15	49.14	9.03	− 3
23.5	+ 9	6	23.9	23.96	7.21	+14	49.17	9.03	0
24.5	+ 7	5	22.0	24.10	7.23	+12	49.19	9.03	+ 3
25.5	+ 4	+ 6	19.9	+24.23	+7.26	+ 6	49.21	−9.04	+ 5
26.5	0	7	17.9	24.37	7.28	0	49.22	9.04	+ 6
27.5	− 5	8	16.3	24.51	7.30	− 8	49.23	9.04	+ 7
28.5	−10	9	14.9	24.65	7.33	−16	49.22	9.04	+ 6
29.5	−14	10	13.6	24.78	7.35	−22	49.20	9.04	+ 4
30.5	−16	10	12.3	24.92	7.37	−25	49.16	9.03	+ 1
Juli 1.5	−15	+10	11.0	+25.06	+7.40	−24	49.13	−9.03	− 2
2.5	−11	9	9.5	25.20	7.42	−19	49.10	9.03	− 6
3.5	− 6	8	7.8	25.33	7.44	−10	49.09	9.03	− 7
4.5	+ 1	7	5.7	25.47	7.46	+ 1	49.09	9.02	− 7
5.5	+ 7	7	3.4	25.61	7.48	+11	49.11	9.02	− 6
6.5	+11	8	1.2	25.75	7.50	+18	49.14	9.01	− 2
7.5	+13	+ 9	23.3	+25.88	+7.52	+21	49.19	−9.01	+ 2
8.5	+12	9	21.7	26.02	7.54	+19	49.23	9.00	+ 5
9.5	+ 8	9	20.4	26.16	7.56	+13	49.26	8.99	+ 7
10.5	+ 3	8	18.9	26.30	7.58	+ 5	49.26	8.99	+ 8
11.5	− 2	7	17.4	26.43	7.59	− 3	49.26	8.98	+ 6
12.5	− 5	5	15.1	26.57	7.61	− 8	49.24	8.97	+ 3
13.5	− 6	+ 4	12.2	+26.71	+7.62	−10	49.21	−8.96	0
14.5	− 5	5	9.1	26.85	7.64	− 9	49.18	8.96	− 3
15.5	− 3	6	7.1	26.99	7.65	− 4	49.17	8.95	− 6
16.5	+ 1	7	5.7	27.12	7.66	+ 1	49.16	8.94	− 7
17.5	+ 5	8	4.4	27.26	7.67	+ 7	49.17	8.93	− 7
18.5	+ 8	7	3.2	27.40	7.68	+12	49.20	8.91	− 6
19.5	+ 9	+ 7	2.0	+27.54	+7.69	+15	49.23	−8.90	− 3
20.5	+ 9	6	0.6	27.67	7.70	+15	49.26	8.89	− 1
21.5	+ 8	6	22.8	27.81	7.71	+14	49.30	8.88	+ 2
22.5	+ 6	6	20.8	27.95	7.71	+ 9	49.33	8.87	+ 4
23.5	+ 2	6	18.7	28.09	7.72	+ 3	49.36	8.86	+ 6
24.5	− 3	7	16.8	28.22	7.72	− 5	49.38	8.84	+ 7

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i	i
1921		s		h m		h m		"
Juli 24.5	0.5615	+2.197	1.2263	2 6.7	1.3015	10 2.6	0.6291	+4.257
25.5	0.5643	2.206	1.2273	2 6.2	1.3010	9 58.9	0.6406	4.371
26.5	0.5670	2.214	1.2284	2 5.6	1.3004	9 55.3	0.6518	4.485
27.5	0.5698	2.223	1.2294	2 5.1	1.2999	9 51.6	0.6626	4.598
28.5	0.5725	2.231	1.2304	2 4.6	1.2993	9 47.9	0.6730	4.710
29.5	0.5752	2.239	1.2313	2 4.0	1.2987	9 44.2	0.6830	4.820
30.5	0.5780	+2.247	1.2323	2 3.5	1.2981	9 40.4	0.6928	+4.929
31.5	0.5807	2.255	1.2333	2 3.0	1.2975	9 36.7	0.7022	5.037
Aug. 1.5	0.5834	2.263	1.2342	2 2.4	1.2970	9 33.0	0.7112	5.143
2.5	0.5862	2.271	1.2351	2 1.9	1.2964	9 29.2	0.7199	5.247
3.5	0.5889	2.279	1.2360	2 1.4	1.2957	9 25.4	0.7284	5.351
4.5	0.5917	2.287	1.2370	2 0.9	1.2951	9 21.7	0.7366	5.453
5.5	0.5944	+2.294	1.2379	2 0.4	1.2945	9 17.9	0.7445	
6.5	0.5971	2.302	1.2388	1 59.9	1.2939	9 14.1	0.7522	
7.5	0.5999	2.309	1.2396	1 59.4	1.2933	9 10.3	0.7597	
8.5	0.6026	2.317	1.2404	1 58.9	1.2926	9 6.4	0.7668	
9.5	0.6053	2.324	1.2413	1 58.4	1.2920	9 2.6	0.7737	
10.5	0.6081	2.331	1.2421	1 58.0	1.2914	8 58.7	0.7805	
11.5	0.6108	+2.338	1.2429	1 57.5	1.2908	8 54.9	0.7870	
12.5	0.6136	2.345	1.2437	1 57.0	1.2901	8 51.0	0.7932	
13.5	0.6163	2.352	1.2445	1 56.6	1.2895	8 47.1	0.7993	
14.5	0.6190	2.359	1.2453	1 56.1	1.2889	8 43.2	0.8052	
15.5	0.6218	2.366	1.2461	1 55.7	1.2883	8 39.3	0.8108	
16.5	0.6245	2.372	1.2468	1 55.2	1.2876	8 35.4	0.8163	
17.5	0.6273	+2.379	1.2476	1 54.8	1.2870	8 31.4	0.8216	
18.5	0.6300	2.386	1.2484	1 54.4	1.2864	8 27.5	0.8267	
19.5	0.6327	2.392	1.2491	1 53.9	1.2858	8 23.5	0.8316	
20.5	0.6355	2.398	1.2498	1 53.5	1.2852	8 19.6	0.8364	
21.5	0.6382	2.405	1.2505	1 53.1	1.2846	8 15.6	0.8410	
22.5	0.6409	2.411	1.2513	1 52.7	1.2841	8 11.6	0.8454	
23.5	0.6437	+2.417	1.2520	1 52.3	1.2835	8 7.6	0.8497	
24.5	0.6464	2.423	1.2527	1 51.9	1.2829	8 3.5	0.8538	
25.5	0.6492	2.429	1.2533	1 51.6	1.2824	7 59.5	0.8577	
26.5	0.6519	2.435	1.2540	1 51.2	1.2818	7 55.4	0.8615	
27.5	0.6546	2.441	1.2547	1 50.9	1.2813	7 51.4	0.8651	
28.5	0.6574	2.447	1.2554	1 50.5	1.2808	7 47.3	0.8686	
29.5	0.6601	+2.452	1.2561	1 50.2	1.2803	7 43.2	0.8719	
30.5	0.6628	2.458	1.2567	1 49.8	1.2798	7 39.1	0.8751	
31.5	0.6656	2.463	1.2574	1 49.5	1.2793	7 35.0	0.8781	
Sept. 1.5	0.6683	2.469	1.2581	1 49.2	1.2789	7 30.9	0.8810	
2.5	0.6711	2.474	1.2587	1 48.9	1.2784	7 26.8	0.8838	
3.5	0.6738	2.480	1.2594	1 48.6	1.2780	7 22.7	0.8864	

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1921.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
1921	in 0.001 s	in 0.01 "				in 0.01 "	23° 26'		in 0.01 "
Juli 24.5	— 3	+ 7	16.8 h	+28.22 "	+7.72 "	— 5	49.38 "	—8.84 "	+ 7
25.5	— 8	8	15.3	28.36	7.72	—13	49.39	8.83	+ 6
26.5	—13	9	14.0	28.50	7.72	—20	49.39	8.82	+ 5
27.5	—15	10	12.8	28.64	7.72	—25	49.37	8.80	+ 2
28.5	—16	10	11.5	28.77	7.72	—26	49.35	8.79	— 1
29.5	—13	10	10.2	28.91	7.71	—22	49.33	8.77	— 5
30.5	— 9	+ 9	8.5	+29.05	+7.71	—15	49.32	—8.76	— 7
31.5	— 3	8	6.9	29.19	7.70	— 5	49.33	8.75	— 8
Aug. 1.5	+ 4	7	4.7	29.32	7.70	+ 6	49.35	8.73	— 6
2.5	+ 9	7	2.2	29.46	7.69	+14	49.39	8.72	— 4
3.5	+12	8	23.9	29.60	7.68	+19	49.45	8.70	0
4.5	+11	8	22.1	29.74	7.66	+19	49.50	8.69	+ 4
5.5	+ 9	+ 9	20.6	+29.88	+7.65	+14	49.54	—8.67	+ 7
6.5	+ 4	8	19.3	30.01	7.64	+ 7	49.56	8.66	+ 8
7.5	0	7	17.8	30.15	7.62	0	49.57	8.64	+ 7
8.5	— 4	5	16.0	30.29	7.60	— 6	49.56	8.63	+ 5
9.5	— 6	4	13.3	30.43	7.58	— 9	49.54	8.61	+ 1
10.5	— 5	4	9.8	30.56	7.56	— 9	49.52	8.60	— 2
11.5	— 3	+ 5	7.4	+30.70	+7.54	— 5	49.50	—8.58	— 5
12.5	0	7	5.8	30.84	7.52	+ 1	49.50	8.57	— 7
13.5	+ 4	8	4.5	30.98	7.50	+ 7	49.51	8.55	— 7
14.5	+ 8	8	3.4	31.11	7.47	+12	49.53	8.54	— 6
15.5	+10	8	2.2	31.25	7.44	+16	49.57	8.52	— 4
16.5	+10	7	0.9	31.39	7.42	+17	49.61	8.51	— 2
17.5	+ 9	+ 6	23.4	+31.53	+7.39	+15	49.65	—8.49	+ 1
18.5	+ 7	6	21.6	31.66	7.35	+12	49.68	8.48	+ 3
19.5	+ 4	6	19.6	31.80	7.32	+ 6	49.72	8.46	+ 5
20.5	— 1	7	17.6	31.94	7.29	— 1	49.74	8.45	+ 6
21.5	— 6	8	16.0	32.08	7.25	—10	49.75	8.44	+ 6
22.5	—10	9	14.5	32.21	7.22	—17	49.75	8.42	+ 5
23.5	—14	+10	13.3	+32.35	+7.18	—23	49.74	—8.41	+ 3
24.5	—15	10	12.0	32.49	7.14	—25	49.72	8.40	0
25.5	—14	10	10.6	32.63	7.10	—24	49.70	8.38	— 3
26.5	—11	9	9.3	32.76	7.06	—18	49.68	8.37	— 6
27.5	— 5	8	7.7	32.90	7.02	— 9	49.68	8.36	— 7
28.5	+ 1	7	5.8	33.04	6.97	+ 1	49.69	8.35	— 7
29.5	+ 6	+ 6	3.3	+33.18	+6.93	+10	49.72	—8.34	— 5
30.5	+10	6	0.8	33.32	6.88	+16	49.77	8.33	— 1
31.5	+10	7	22.6	33.45	6.84	+17	49.82	8.32	+ 3
Sept. 1.5	+ 9	8	20.9	33.59	6.79	+14	49.86	8.31	+ 6
2.5	+ 5	8	19.4	33.73	6.74	+ 8	49.89	8.30	+ 8
3.5	0	8	18.1	33.87	6.69	0	49.89	8.29	+ 8

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i
1921							
Sept. 3.5	0.6738	+2.480	1.2594	1 48.6	1.2780	7 22.7	0.8864
4.5	0.6765	2.485	1.2600	1 48.3	1.2776	7 18.5	0.8889
5.5	0.6793	2.490	1.2606	1 48.0	1.2772	7 14.3	0.8912
6.5	0.6820	2.495	1.2613	1 47.7	1.2768	7 10.2	0.8934
7.5	0.6847	2.501	1.2619	1 47.4	1.2765	7 6.0	0.8955
8.5	0.6875	2.506	1.2626	1 47.2	1.2761	7 1.8	0.8974
9.5	0.6902	+2.511	1.2632	1 46.9	1.2758	6 57.6	0.8992
10.5	0.6930	2.516	1.2639	1 46.7	1.2755	6 53.4	0.9009
11.5	0.6957	2.521	1.2645	1 46.5	1.2752	6 49.2	0.9024
12.5	0.6984	2.526	1.2651	1 46.2	1.2750	6 45.0	0.9038
13.5	0.7012	2.531	1.2658	1 46.0	1.2748	6 40.8	0.9051
14.5	0.7039	2.536	1.2664	1 45.8	1.2745	6 36.6	0.9062
15.5	0.7067	+2.541	1.2671	1 45.6	1.2743	6 32.3	0.9073
16.5	0.7094	2.545	1.2677	1 45.4	1.2742	6 28.1	0.9082
17.5	0.7121	2.550	1.2684	1 45.2	1.2741	6 23.8	0.9089
18.5	0.7149	2.555	1.2690	1 45.0	1.2739	6 19.6	0.9096
19.5	0.7176	2.560	1.2697	1 44.9	1.2738	6 15.3	0.9101
20.5	0.7203	2.565	1.2704	1 44.7	1.2738	6 11.0	0.9105
21.5	0.7231	+2.569	1.2710	1 44.6	1.2737	6 6.8	0.9107
22.5	0.7258	2.574	1.2717	1 44.4	1.2737	6 2.5	0.9109
23.5	0.7286	2.579	1.2724	1 44.3	1.2737	5 58.2	0.9109
24.5	0.7313	2.584	1.2730	1 44.1	1.2737	5 54.0	0.9108
25.5	0.7340	2.588	1.2737	1 44.0	1.2738	5 49.7	0.9106
26.5	0.7368	2.593	1.2744	1 43.9	1.2738	5 45.4	0.9102
27.5	0.7395	+2.598	1.2751	1 43.8	1.2739	5 41.1	0.9097
28.5	0.7422	2.603	1.2758	1 43.7	1.2740	5 36.9	0.9091
29.5	0.7450	2.608	1.2765	1 43.6	1.2742	5 32.6	0.9083
30.5	0.7477	2.613	1.2773	1 43.5	1.2743	5 28.3	0.9074
Okt. 1.5	0.7505	2.617	1.2780	1 43.4	1.2745	5 24.0	0.9064
2.5	0.7532	2.622	1.2788	1 43.4	1.2747	5 19.8	0.9053
3.5	0.7559	+2.627	1.2795	1 43.3	1.2750	5 15.5	0.9040
4.5	0.7587	2.632	1.2802	1 43.2	1.2752	5 11.2	0.9025
5.5	0.7614	2.637	1.2810	1 43.2	1.2755	5 7.0	0.9010
6.5	0.7641	2.642	1.2818	1 43.1	1.2758	5 2.7	0.8993
7.5	0.7669	2.647	1.2826	1 43.1	1.2761	4 58.4	0.8975
8.5	0.7696	2.652	1.2834	1 43.0	1.2765	4 54.2	0.8955
9.5	0.7724	+2.658	1.2842	1 43.0	1.2768	4 49.9	0.8934
10.5	0.7751	2.663	1.2850	1 43.0	1.2772	4 45.7	0.8912
11.5	0.7778	2.668	1.2858	1 42.9	1.2776	4 41.5	0.8889
12.5	0.7806	2.673	1.2867	1 42.9	1.2780	4 37.2	0.8863
13.5	0.7833	2.679	1.2875	1 42.9	1.2784	4 33.0	0.8836
14.5	0.7861	2.684	1.2884	1 42.9	1.2789	4 28.8	0.8808

Units: f in s; G and H in h m.

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1921.0	Δψ	Δψ'	Wahre Schiefe	Δε	Δε'
1921	in 0.ˢ001	in 0.″01				in 0.″01	23° 26′		in 0.″01
Sept. 3.5	0	+ 8	18.ʰ1	+33.″87	+6.″69	0	49.″89	−8.″29	+ 8
4.5	− 4	6	16.5	34.00	6.64	− 6	49.88	8.28	+ 6
5.5	− 6	5	14.2	34.14	6.59	−10	49.86	8.27	+ 3
6.5	− 6	4	10.9	34.28	6.54	−10	49.83	8.26	− 1
7.5	− 4	5	8.1	34.42	6.48	− 7	49.80	8.26	− 4
8.5	− 1	6	6.2	34.55	6.43	− 1	49.78	8.25	− 6
9.5	+ 3	+ 7	4.9	+34.69	+6.37	+ 5	49.78	−8.25	− 7
10.5	+ 7	8	3.7	34.83	6.32	+11	49.79	8.24	− 6
11.5	+10	8	2.6	34.97	6.26	+16	49.81	8.24	− 5
12.5	+11	7	1.3	35.10	6.21	+18	49.84	8.23	− 2
13.5	+10	7	23.9	35.24	6.15	+17	49.87	8.23	0
14.5	+ 9	6	22.3	35.38	6.09	+14	49.89	8.23	+ 3
15.5	+ 5	+ 6	20.4	+35.52	+6.04	+ 9	49.92	−8.22	+ 5
16.5	+ 1	6	18.5	35.65	5.98	+ 2	49.93	8.22	+ 6
17.5	− 4	7	16.7	35.79	5.92	− 6	49.93	8.22	+ 7
18.5	− 8	8	15.1	35.93	5.86	−14	49.92	8.22	+ 6
19.5	−12	9	13.7	36.07	5.80	−20	49.90	8.22	+ 4
20.5	−14	9	12.3	36.21	5.74	−23	49.87	8.22	+ 1
21.5	−14	+ 9	11.0	+36.34	+5.68	−23	49.84	−8.22	− 2
22.5	−12	9	9.7	36.48	5.62	−19	49.80	8.22	− 5
23.5	− 7	8	8.1	36.62	5.56	−11	49.78	8.23	− 7
24.5	− 1	8	6.3	36.76	5.50	− 2	49.77	8.23	− 7
25.5	+ 5	7	4.2	36.89	5.44	+ 7	49.79	8.23	− 6
26.5	+ 8	6	1.7	37.03	5.38	+14	49.81	8.24	− 3
27.5	+10	+ 7	23.2	+37.17	+5.32	+16	49.85	−8.24	+ 1
28.5	+ 9	8	21.3	37.31	5.26	+14	49.87	8.25	+ 5
29.5	+ 5	8	19.7	37.44	5.21	+ 9	49.89	8.26	+ 7
30.5	+ 1	8	18.2	37.58	5.15	+ 1	49.89	8.26	+ 8
Okt. 1.5	− 4	7	16.6	37.72	5.09	− 6	49.86	8.27	+ 6
2.5	− 7	6	14.6	37.86	5.03	−11	49.82	8.28	+ 3
3.5	− 7	+ 5	12.1	+37.99	+4.97	−12	49.78	−8.29	0
4.5	− 6	5	9.2	38.13	4.92	− 9	49.73	8.30	− 3
5.5	− 2	6	7.0	38.27	4.86	− 4	49.70	8.31	− 6
6.5	+ 2	7	5.4	38.41	4.81	+ 3	49.67	8.32	− 7
7.5	+ 6	8	4.1	38.54	4.75	+ 9	49.66	8.33	− 7
8.5	+ 9	8	2.8	38.68	4.70	+15	49.66	8.34	− 5
9.5	+11	+ 8	1.6	+38.82	+4.64	+17	49.67	−8.36	− 3
10.5	+11	7	0.3	38.96	4.59	+18	49.68	8.37	− 1
11.5	+10	7	22.8	39.10	4.54	+16	49.69	8.38	+ 2
12.5	+ 7	6	21.0	39.23	4.49	+11	49.70	8.40	+ 4
13.5	+ 3	6	19.2	39.37	4.44	+ 5	49.70	8.41	+ 6
14.5	− 2	7	17.3	39.51	4.39	− 3	49.69	8.43	+ 7

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i	i
1921								
Okt. 14.5	0.7861	$+2^{s}.684$	1.2884	$1^{h}\,42^{m}.9$	1.2789	$4^{h}\,28^{m}.8$	0.8808	
15.5	0.7888	2.690	1.2893	1 42.9	1.2794	4 24.5	0.8778	
16.5	0.7915	2.695	1.2902	1 42.8	1.2799	4 20.3	0.8747	
17.5	0.7943	2.701	1.2911	1 42.8	1.2804	4 16.1	0.8714	
18.5	0.7970	2.706	1.2920	1 42.8	1.2809	4 11.9	0.8680	
19.5	0.7997	2.712	1.2929	1 42.8	1.2814	4 7.7	0.8644	
20.5	0.8025	+2.718	1.2938	1 42.8	1.2820	4 3.6	0.8606	
21.5	0.8052	2.724	1.2948	1 42.8	1.2825	3 59.4	0.8566	
22.5	0.8080	2.730	1.2958	1 42.8	1.2831	3 55.2	0.8525	
23.5	0.8107	2.736	1.2967	1 42.8	1.2837	3 51.1	0.8483	
24.5	0.8134	2.742	1.2977	1 42.8	1.2843	3 46.9	0.8438	
25.5	0.8162	2.749	1.2987	1 42.8	1.2849	3 42.8	0.8392	
26.5	0.8189	+2.755	1.2997	1 42.8	1.2855	3 38.7	0.8344	
27.5	0.8216	2.761	1.3007	1 42.8	1.2861	3 34.6	0.8293	
28.5	0.8244	2.768	1.3018	1 42.8	1.2867	3 30.5	0.8241	
29.5	0.8271	2.775	1.3028	1 42.8	1.2874	3 26.4	0.8187	
30.5	0.8299	2.781	1.3039	1 42.8	1.2880	3 22.3	0.8131	
31.5	0.8326	2.788	1.3049	1 42.8	1.2886	3 18.2	0.8073	
Nov. 1.5	0.8353	+2.795	1.3060	1 42.8	1.2893	3 14.1	0.8013	
2.5	0.8381	2.802	1.3071	1 42.8	1.2900	3 10.1	0.7950	
3.5	0.8408	2.809	1.3082	1 42.8	1.2906	3 6.0	0.7885	
4.5	0.8435	2.816	1.3093	1 42.8	1.2913	3 2.0	0.7817	
5.5	0.8463	2.824	1.3104	1 42.8	1.2919	2 58.0	0.7747	
6.5	0.8490	2.831	1.3115	1 42.8	1.2926	2 53.9	0.7675	
7.5	0.8518	+2.838	1.3127	1 42.8	1.2932	2 49.9	0.7600	$+5''.755$
8.5	0.8545	2.846	1.3138	1 42.8	1.2939	2 45.9	0.7523	5.653
9.5	0.8572	2.854	1.3150	1 42.8	1.2945	2 41.9	0.7442	5.549
10.5	0.8600	2.861	1.3161	1 42.7	1.2952	2 38.0	0.7358	5.443
11.5	0.8627	2.869	1.3173	1 42.7	1.2958	2 34.0	0.7272	5.336
12.5	0.8655	2.877	1.3185	1 42.7	1.2965	2 30.0	0.7183	5.227
13.5	0.8682	+2.885	1.3197	1 42.7	1.2971	2 26.1	0.7090	+5.117
14.5	0.8709	2.894	1.3209	1 42.6	1.2977	2 22.2	0.6994	5.005
15.5	0.8737	2.902	1.3221	1 42.6	1.2983	2 18.2	0.6894	4.891
16.5	0.8764	2.910	1.3233	1 42.5	1.2990	2 14.3	0.6790	4.775
17.5	0.8791	2.919	1.3245	1 42.5	1.2996	2 10.4	0.6682	4.658
18.5	0.8819	2.927	1.3257	1 42.4	1.3002	2 6.5	0.6570	4.540
19.5	0.8846	+2.936	1.3269	1 42.4	1.3007	2 2.6	0.6454	+4.420
20.5	0.8874	2.945	1.3282	1 42.3	1.3013	1 58.7	0.6334	4.299
21.5	0.8901	2.953	1.3294	1 42.2	1.3019	1 54.9	0.6209	4.177
22.5	0.8928	2.962	1.3307	1 42.2	1.3024	1 51.0	0.6078	4.053
23.5	0.8956	2.971	1.3319	1 42.1	1.3030	1 47.1	0.5941	3.927
24.5	0.8983	2.980	1.3332	1 42.0	1.3035	1 43.3	0.5798	3.800

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1921.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
1921	in 0.001 (s)	in 0.01 (″)	h	″	″	in 0.01 (″)	23° 26′	″	in 0.01 (″)
Okt. 14.5	−2	+7	17.3	+39.51	+4.39	−3	49.69	−8.43	+7
15.5	−6	7	15.7	39.65	4.34	−10	49.67	8.44	+6
16.5	−11	8	14.3	39.78	4.30	−17	49.64	8.46	+5
17.5	−13	9	12.9	39.92	4.25	−22	49.59	8.48	+2
18.5	−14	9	11.4	40.06	4.21	−23	49.54	8.50	−1
19.5	−12	9	10.0	40.20	4.16	−19	49.49	8.51	−5
20.5	−8	+9	8.5	+40.33	+4.12	−13	49.45	−8.53	−7
21.5	−2	8	6.8	40.47	4.08	−4	49.42	8.55	−8
22.5	+3	7	4.8	40.61	4.04	+6	49.41	8.57	−7
23.5	+8	6	2.4	40.75	4.00	+13	49.42	8.59	−4
24.5	+10	7	0.0	40.88	3.97	+17	49.43	8.61	0
25.5	+10	7	21.9	41.02	3.93	+16	49.45	8.63	+4
26.5	+7	+8	20.2	+41.16	+3.90	+11	49.45	−8.65	+7
27.5	+2	8	18.6	41.30	3.87	+3	49.44	8.67	+8
28.5	−3	7	17.1	41.43	3.84	−4	49.41	8.69	+7
29.5	−7	6	15.1	41.57	3.81	−11	49.37	8.71	+5
30.5	−8	5	12.9	41.71	3.78	−13	49.31	8.73	+1
31.5	−7	5	10.3	41.85	3.75	−12	49.25	8.76	−2
Nov. 1.5	−4	+6	7.9	+41.98	+3.73	−7	49.20	−8.78	−5
2.5	0	7	6.1	42.12	3.70	0	49.16	8.80	−7
3.5	+4	7	4.6	42.26	3.68	+7	49.14	8.82	−7
4.5	+8	8	3.3	42.40	3.66	+13	49.12	8.84	−6
5.5	+10	8	2.0	42.54	3.64	+17	49.12	8.86	−4
6.5	+11	7	0.7	42.67	3.63	+18	49.12	8.89	−1
7.5	+10	+7	23.3	+42.81	+3.61	+16	49.13	−8.91	+1
8.5	+7	6	21.5	42.95	3.60	+12	49.13	8.93	+4
9.5	+4	6	19.6	43.09	3.59	+6	49.12	8.95	+6
10.5	0	7	17.8	43.22	3.58	−1	49.11	8.98	+7
11.5	−5	7	16.2	43.36	3.57	−9	49.08	9.00	+7
12.5	−9	8	14.7	43.50	3.56	−15	49.05	9.02	+5
13.5	−13	+9	13.3	+43.64	+3.56	−21	49.00	−9.04	+3
14.5	−14	9	11.8	43.77	3.55	−23	48.95	9.06	0
15.5	−13	9	10.5	43.91	3.55	−21	48.89	9.09	−3
16.5	−9	8	8.9	44.05	3.55	−15	48.84	9.11	−6
17.5	−4	8	7.2	44.19	3.55	−6	48.81	9.13	−7
18.5	+2	7	5.2	44.32	3.55	+4	48.79	9.15	−7
19.5	+7	+7	3.1	+44.46	+3.56	+12	48.79	−9.17	−5
20.5	+11	7	0.8	44.60	3.56	+17	48.80	9.19	−1
21.5	+11	8	22.8	44.74	3.57	+18	48.82	9.21	+2
22.5	+7	8	21.0	44.87	3.58	+14	48.83	9.23	+6
23.5	+4	8	19.3	45.01	3.59	+7	48.83	9.25	+8
24.5	−1	8	17.6	45.15	3.60	−1	48.81	9.27	+8

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i	i
1921		s		h m		h m		"
Nov. 24.5	0.8983	+2.980	1.3332	1 42.0	1.3035	1 43.3	0.5798	+3.800
25.5	0.9010	2.990	1.3344	1 41.9	1.3040	1 39.4	0.5649	3.672
26.5	0.9038	2.999	1.3357	1 41.8	1.3045	1 35.6	0.5495	3.544
27.5	0.9065	3.008	1.3369	1 41.7	1.3050	1 31.8	0.5333	3.414
28.5	0.9093	3.018	1.3382	1 41.6	1.3055	1 28.0	0.5162	3.282
29.5	0.9120	3.027	1.3394	1 41.4	1.3059	1 24.2	0.4983	3.150
30.5	0.9147	+3.037	1.3407	1 41.3	1.3063	1 20.4	0.4796	+3.017
Dez. 1.5	0.9175	3.047	1.3420	1 41.2	1.3068	1 16.6	0.4597	2.882
2.5	0.9202	3.056	1.3432	1 41.0	1.3072	1 12.8	0.4387	2.746
3.5	0.9229	3.066	1.3445	1 40.9	1.3076	1 9.0	0.4166	2.610
4.5	0.9257	3.076	1.3457	1 40.8	1.3079	1 5.2	0.3932	2.473
5.5	0.9284	3.086	1.3470	1 40.6	1.3083	1 1.4	0.3683	2.335
6.5	0.9312	+3.096	1.3482	1 40.4	1.3086	0 57.6	0.3418	+2.197
7.5	0.9339	3.106	1.3495	1 40.3	1.3089	0 53.9	0.3132	2.057
8.5	0.9366	3.116	1.3507	1 40.1	1.3092	0 50.1	0.2826	1.917
9.5	0.9394	3.126	1.3520	1 39.9	1.3095	0 46.3	0.2497	1.777
10.5	0.9421	3.136	1.3532	1 39.7	1.3097	0 42.6	0.2138	1.636
11.5	0.9448	3.146	1.3545	1 39.5	1.3100	0 38.8	0.1744	1.494
12.5	0.9476	+3.156	1.3557	1 39.3	1.3102	0 35.1	0.1307	+1.351
13.5	0.9503	3.167	1.3569	1 39.1	1.3104	0 31.3	0.0821	1.208
14.5	0.9531	3.177	1.3582	1 38.9	1.3105	0 27.6	0.0273	1.065
15.5	0.9558	3.187	1.3594	1 38.7	1.3107	0 23.9	9.9647	0.922
16.5	0.9585	3.197	1.3606	1 38.5	1.3108	0 20.1	9.8910	0.778
17.5	0.9613	3.208	1.3618	1 38.2	1.3109	0 16.4	9.8021	0.634
18.5	0.9640	+3.218	1.3630	1 38.0	1.3110	0 12.6	9.6902	+0.490
19.5	0.9668	3.229	1.3642	1 37.8	1.3111	0 8.9	9.5378	0.345
20.5	0.9695	3.239	1.3654	1 37.5	1.3111	0 5.2	9.3010	0.200
21.5	0.9722	3.249	1.3666	1 37.3	1.3111	0 1.4	8.7404	+0.055
22.5	0.9750	3.260	1.3677	1 37.0	1.3111	23 57.7	8.9494_n	−0.089
23.5	0.9777	3.270	1.3689	1 36.8	1.3111	23 53.9	9.3692_n	0.234
24.5	0.9804	+3.281	1.3700	1 36.5	1.3110	23 50.2	9.5786_n	−0.379
25.5	0.9832	3.291	1.3712	1 36.2	1.3110	23 46.5	9.7193_n	0.524
26.5	0.9859	3.302	1.3723	1 35.9	1.3109	23 42.7	9.8248_n	0.668
27.5	0.9887	3.312	1.3735	1 35.7	1.3108	23 39.0	9.9096_n	0.812
28.5	0.9914	3.322	1.3746	1 35.4	1.3106	23 35.2	9.9805_n	0.956
29.5	0.9941	3.333	1.3757	1 35.1	1.3105	23 31.5	0.0414_n	1.100
30.5	0.9969	+3.343	1.3768	1 34.8	1.3103	23 27.7	0.0948_n	−1.244
31.5	0.9996	3.353	1.3779	1 34.5	1.3101	23 24.0	0.1421_n	1.387
32.5	1.0023	3.363	1.3789	1 34.2	1.3099	23 20.2	0.1847_n	1.530
33.5	1.0051	3.373	1.3800	1 33.9	1.3097	23 16.4	0.2232_n	1.672
34.5	1.0078	3.384	1.3811	1 33.6	1.3094	23 12.7	0.2584_n	1.813
35.5	1.0106	3.394	1.3821	1 33.3	1.3091	23 8.9	0.2909_n	1.954

Mittl. Zeit Greenwich	f′	g′	G′	Allgemeine Präzession seit 1921.0	Δψ	Δψ′	Wahre Schiefe	Δε	Δε′
1921	in 0.ˢ001	in 0.″01				in 0.″01	23° 26′		in 0.″01
Nov. 24.5	− 1	+ 8	17.ʰ6	+45.″15	+3.″60	− 1	48.″81	−9.″27	+ 8
25.5	− 5	7	15.9	45.29	3.61	− 8	48.77	9.29	+ 6
26.5	− 8	6	13.8	45.43	3.63	−13	48.72	9.31	+ 3
27.5	− 8	5	11.3	45.56	3.64	−13	48.66	9.32	− 1
28.5	− 6	6	8.7	45.70	3.66	− 9	48.61	9.34	− 4
29.5	− 2	7	6.8	45.84	3.68	− 3	48.57	9.36	− 6
30.5	+ 2	+ 7	5.2	+45.98	+3.69	+ 4	48.55	−9.37	− 7
Dez. 1.5	+ 6	8	3.8	46.11	3.71	+10	48.54	9.39	− 6
2.5	+ 9	8	2.5	46.25	3.74	+15	48.54	9.41	− 4
3.5	+11	7	1.2	46.39	3.76	+17	48.55	9.42	− 2
4.5	+10	7	23.7	46.53	3.78	+17	48.56	9.43	0
5.5	+ 8	6	22.0	46.66	3.81	+13	48.57	9.45	+ 3
6.5	+ 5	+ 6	20.1	+46.80	+3.83	+ 8	48.58	−9.46	+ 5
7.5	+ 1	6	18.2	46.94	3.86	+ 1	48.57	9.47	+ 6
8.5	− 4	7	16.5	47.08	3.88	− 7	48.56	9.49	+ 7
9.5	− 9	8	15.1	47.21	3.91	−14	48.54	9.50	+ 6
10.5	−12	9	13.7	47.35	3.94	−20	48.51	9.51	+ 4
11.5	−14	9	12.4	47.49	3.97	−23	48.47	9.52	+ 1
12.5	−14	+ 9	11.0	+47.63	+4.00	−23	48.43	−9.53	− 2
13.5	−11	9	9.6	47.76	4.03	−18	48.39	9.54	− 5
14.5	− 6	8	7.9	47.90	4.06	−10	48.36	9.54	− 7
15.5	0	8	6.0	48.04	4.09	0	48.35	9.55	− 7
16.5	+ 6	7	3.8	48.18	4.12	+10	48.36	9.56	− 6
17.5	+10	7	1.5	48.31	4.15	+16	48.38	9.56	− 3
18.5	+12	+ 8	23.5	+48.45	+4.19	+19	48.41	−9.57	+ 1
19.5	+11	8	21.8	48.59	4.22	+17	48.44	9.57	+ 4
20.5	+ 7	8	20.2	48.73	4.25	+11	48.46	9.58	+ 7
21.5	+ 2	8	18.6	48.87	4.28	+ 3	48.46	9.58	+ 8
22.5	− 3	7	16.9	49.00	4.32	− 5	48.45	9.58	+ 6
23.5	− 6	6	14.8	49.14	4.35	−10	48.42	9.58	+ 3
24.5	− 8	+ 5	12.1	+49.28	+4.38	−12	48.38	−9.58	0
25.5	− 6	5	9.4	49.42	4.42	−10	48.34	9.58	− 3
26.5	− 3	6	7.3	49.55	4.45	− 5	48.32	9.58	− 6
27.5	+ 1	7	5.7	49.69	4.48	+ 2	48.31	9.58	− 7
28.5	+ 5	8	4.3	49.83	4.51	+ 8	48.31	9.58	− 7
29.5	+ 9	8	2.9	49.97	4.54	+14	48.33	9.57	− 5
30.5	+10	+ 7	1.6	+50.10	+4.57	+17	48.35	−9.57	− 3
31.5	+10	7	0.2	50.24	4.60	+17	48.38	9.57	0
32.5	+ 9	6	22.6	50.38	4.63	+15	48.41	9.56	+ 2
33.5	+ 6	6	20.7	50.52	4.66	+10	48.44	9.56	+ 4
34.5	+ 2	6	18.7	50.65	4.69	+ 3	48.46	9.55	+ 6
35.5	− 3	7	17.0	50.79	4.72	− 4	48.47	9.54	+ 7

für 12ʰ Sternzeit Greenwich

Mittlere Zeit Greenwich		t	A		A′	B		B′	C		D	
1921												
Jan.	0.721	0.0009	+0.19996	335	+ 19	+8.297	3	−73	− 3.350	328	+20.142	68
	1.719	0.0036	0.20331	334	−119	8.294	4	−51	3.678	326	20.074	75
	2.716	0.0063	0.20665	334	−198	8.290	4	−18	4.004	325	19.999	81
	3.713	0.0091	0.20999	332	−206	8.286	4	+18	4.329	323	19.918	87
	4.710	0.0118	0.21331	331	−157	8.282	5	+46	4.652	323	19.831	92
	5.708	0.0145	0.21662	329	− 65	8.277	6	+65	4.975	320	19.739	99
	6.705	0.0173	+0.21991	327	+ 42	+8.271	6	+70	− 5.295	318	+19.640	105
	7.702	0.0200	0.22318	325	+144	8.265	6	+65	5.613	317	19.535	112
	8.699	0.0227	0.22643	324	+224	8.259	7	+49	5.930	315	19.423	118
	9.697	0.0255	0.22967	321	+265	8.252	9	+26	6.245	313	19.305	124
	10.694	0.0282	0.23288	319	+262	8.243	9	− 1	6.558	311	19.181	130
	11.691	0.0309	0.23607	316	+210	8.234	9	−29	6.869	309	19.051	136
	12.689	0.0336	+0.23923	315	+108	+8.225	9	−51	− 7.178	307	+18.915	141
	13.686	0.0364	0.24238	312	− 34	8.216	10	−67	7.485	304	18.774	147
	14.683	0.0391	0.24550	309	−198	8.206	11	−70	7.789	302	18.627	154
	15.680	0.0418	0.24859	307	−356	8.195	11	−59	8.091	299	18.473	159
	16.678	0.0446	0.25166	304	−472	8.184	12	−35	8.390	296	18.314	165
	17.675	0.0473	0.25470	302	−518	8.172	12	− 1	8.686	294	18.149	171
	18.672	0.0500	+0.25772	299	−474	+8.160	12	+35	− 8.980	290	+17.978	176
	19.669	0.0528	0.26071	297	−341	8.148	13	+64	9.270	288	17.802	182
	20.667	0.0555	0.26368	293	−140	8.135	13	+78	9.558	285	17.620	187
	21.664	0.0582	0.26661	290	+ 80	8.122	13	+73	9.843	282	17.433	193
	22.661	0.0609	0.26951	287	+276	8.109	13	+50	10.125	278	17.240	198
	23.659	0.0637	0.27238	285	+399	8.096	14	+15	10.403	275	17.042	203
	24.656	0.0664	+0.27523	281	+432	+8.082	15	−25	−10.678	272	+16.839	209
	25.653	0.0691	0.27804	279	+368	8.067	15	−58	10.950	268	16.630	214
	26.650	0.0719	0.28083	275	+239	8.052	14	−77	11.218	264	16.416	218
	27.648	0.0746	0.28358	272	+ 79	8.038	15	−79	11.482	261	16.198	224
	28.645	0.0773	0.28630	269	− 67	8.023	14	−60	11.743	258	15.974	229
	29.642	0.0801	0.28899	265	−165	8.009	15	−32	12.001	253	15.745	234
	30.639	0.0828	+0.29164	261	−198	+7.994	15	+ 4	−12.254	249	+15.511	239
	31.637	0.0855	0.29425	259	−164	7.979	16	+36	12.503	245	15.272	243
Febr.	1.634	0.0883	0.29684	256	− 84	7.963	15	+58	12.748	241	15.029	247
	2.631	0.0910	0.29940	253	+ 21	7.948	16	+70	12.989	238	14.782	252
	3.628	0.0937	0.30193	249	+128	7.932	15	+69	13.227	234	14.530	257
	4.626	0.0964	0.30442	246	+216	7.917	16	+55	13.461	229	14.273	261
	5.623	0.0992	+0.30688	242	+273	+7.901	15	+35	−13.690	226	+14.012	265
	6.620	0.1019	0.30930	239	+288	7.886	15	+10	13.916	220	13.747	269
	7.618	0.1046	0.31169	235	+258	7.871	15	−18	14.136	215	13.478	274
	8.615	0.1074	0.31404	233	+177	7.856	15	−44	14.351	210	13.204	278
	9.612	0.1101	0.31637	229	+ 52	7.841	15	−63	14.561	206	12.926	282
	10.609	0.1128	0.31866		−105	7.826		−71	14.767		12.644	

für 12^h Sternzeit Greenwich

Mittlere Zeit Greenwich	t	A		A'	B		B'	C		D	
1921											
Febr. 10.609	0.1128	+0.31866	227	−105	+7.826″	15	−71	−14.767″	202	+12.644″	285
11.607	0.1156	0.32093	223	−269	7.811	15	−66	14.969	197	12.359	289
12.604	0.1183	0.32316	221	−410	7.796	14	−47	15.166	193	12.070	292
13.601	0.1210	0.32537	217	−492	7.782	15	−16	15.359	188	11.778	296
14.598	0.1237	0.32754	215	−494	7.767	14	+20	15.547	182	11.482	300
15.596	0.1265	0.32969	211	−405	7.753	13	+52	15.729	177	11.182	303
16.593	0.1292	+0.33180	209	−240	+7.740	13	+73	−15.906	173	+10.879	306
17.590	0.1319	0.33389	205	− 34	7.727	14	+79	16.079	168	10.573	310
18.588	0.1347	0.33594	203	+171	7.713	13	+62	16.247	163	10.263	312
19.585	0.1374	0.33797	199	+321	7.700	12	+30	16.410	158	9.951	315
20.582	0.1401	0.33996	197	+388	7.688	11	− 9	16.568	152	9.636	318
21.579	0.1429	0.34193	195	+364	7.677	12	−47	16.720	147	9.318	320
22.577	0.1456	+0.34388	192	+259	+7.665	11	−72	−16.867	142	+ 8.998	323
23.574	0.1483	0.34580	189	+112	7.654	10	−80	17.009	137	8.675	326
24.571	0.1511	0.34769	188	− 39	7.644	10	−68	17.146	131	8.349	329
25.568	0.1538	0.34957	185	−151	7.634	10	−43	17.277	127	8.020	331
26.566	0.1565	0.35142	183	−203	7.624	9	−11	17.404	121	7.689	332
27.563	0.1592	0.35325	180	−189	7.615	9	+24	17.525	115	7.357	334
28.560	0.1620	+0.35505	178	−119	+7.606	9	+51	−17.640	109	+ 7.023	337
März 1.558	0.1647	0.35683	176	− 14	7.597	8	+68	17.749	105	6.686	339
2.555	0.1674	0.35859	174	+ 98	7.589	7	+70	17.854	99	6.347	341
3.552	0.1702	0.36033	173	+198	7.582	6	+61	17.953	93	6.006	342
4.549	0.1729	0.36206	171	+270	7.576	6	+43	18.046	87	5.664	344
5.547	0.1756	0.36377	168	+302	7.570	5	+20	18.133	82	5.320	345
6.544	0.1784	+0.36545	168	+287	+7.565	5	− 8	−18.215	77	+ 4.975	346
7.541	0.1811	0.36713	167	+227	7.560	4	−34	18.292	71	4.629	347
8.538	0.1838	0.36880	165	+122	7.556	3	−55	18.363	66	4.282	349
9.536	0.1865	0.37045	164	− 21	7.553	3	−68	18.429	60	3.933	350
10.533	0.1893	0.37209	163	−180	7.550	2	−70	18.489	54	3.583	351
11.530	0.1920	0.37372	161	−330	7.548	2	−57	18.543	49	3.232	351
12.527	0.1947	+0.37533	161	−436	+7.546	1	−30	−18.592	44	+ 2.881	352
13.525	0.1975	0.37694	160	−473	7.545	0	+ 4	18.636	37	2.529	353
14.522	0.2002	0.37854	160	−426	7.545	0	+39	18.673	31	2.176	353
15.519	0.2029	0.38014	159	−295	7.545	1	+67	18.704	26	1.823	353
16.517	0.2057	0.38173	158	−108	7.546	2	+79	18.730	20	1.470	354
17.514	0.2084	0.38331	157	+ 92	7.548	2	+71	18.750	15	1.116	354
18.511	0.2111	+0.38488	157	+263	+7.550	3	+45	−18.765	10	+ 0.762	354
19.508	0.2139	0.38645	158	+357	7.553	4	+ 9	18.775	4	0.408	354
20.506	0.2166	0.38803	158	+365	7.557	4	−30	18.779	2	+ 0.054	354
21.503	0.2193	0.38961	158	+283	7.561	5	−63	18.777	7	− 0.300	353
22.500	0.2220	0.39119	157	+145	7.566	6	−79	18.770	13	0.653	353
23.497	0.2248	0.39276		− 11	7.572		−75	18.757		1.006	

Reduktionsgrößen 1921

für 12h Sternzeit Greenwich

Mittlere Zeit Greenwich	t	A		A′	B		B′	C		D	
1921											
März 23.497	0.2248	+0.39276	159	− 11	+7.572	7	−75	−18.757	19	− 1.006	352
24.495	0.2275	0.39435	158	−143	7.579	7	−56	18.738	25	1.358	352
25.492	0.2302	0.39593	159	−218	7.586	7	−24	18.713	30	1.710	352
26.489	0.2330	0.39752	158	−225	7.593	8	+11	18.683	36	2.062	350
27.487	0.2357	0.39910	159	−168	7.601	9	+41	18.647	40	2.412	349
28.484	0.2384	0.40069	161	− 67	7.610	9	+63	18.607	46	2.761	348
29.481	0.2412	+0.40230	162	+ 51	+7.619	10	+71	−18.561	52	− 3.109	347
30.478	0.2439	0.40392	163	+163	7.629	11	+67	18.509	58	3.456	346
31.476	0.2466	0.40555	164	+248	7.640	12	+50	18.451	62	3.802	345
April 1.473	0.2493	0.40719	164	+295	7.652	12	+29	18.389	68	4.147	344
2.470	0.2521	0.40883	165	+299	7.664	12	+ 2	18.321	73	4.491	341
3.467	0.2548	0.41048	167	+254	7.676	13	−25	18.248	79	4.832	340
4.465	0.2575	+0.41215	169	+167	+7.689	14	−49	−18.169	84	− 5.172	339
5.462	0.2603	0.41384	171	+ 40	7.703	14	−65	18.085	89	5.511	337
6.459	0.2630	0.41555	172	−112	7.717	15	−71	17.996	95	5.848	334
7.456	0.2657	0.41727	174	−263	7.732	15	−62	17.901	99	6.182	333
8.454	0.2685	0.41901	176	−384	7.747	16	−42	17.802	104	6.515	331
9.451	0.2712	0.42077	177	−448	7.763	16	−11	17.698	110	6.846	328
10.448	0.2739	+0.42254	180	−429	+7.779	17	+26	−17.588	115	− 7.174	326
11.446	0.2766	0.42434	181	−330	7.796	17	+57	17.473	120	7.500	324
12.443	0.2794	0.42615	183	−161	7.813	18	+76	17.353	125	7.824	321
13.440	0.2821	0.42798	185	+ 37	7.831	18	+77	17.228	130	8.145	319
14.437	0.2848	0.42983	187	+223	7.849	19	+58	17.098	135	8.464	317
15.435	0.2876	0.43170	190	+347	7.868	19	+25	16.963	139	8.781	314
16.432	0.2903	+0.43360	192	+385	+7.887	19	−14	−16.824	144	− 9.095	310
17.429	0.2930	0.43552	194	+330	7.906	19	−51	16.680	149	9.405	308
18.426	0.2958	0.43746	197	+202	7.925	20	−74	16.531	154	9.713	304
19.424	0.2985	0.43943	199	+ 40	7.945	20	−80	16.377	159	10.017	302
20.421	0.3012	0.44142	202	−111	7.965	20	−65	16.218	163	10.319	298
21.418	0.3040	0.44344	205	−215	7.985	21	−38	16.055	168	10.617	296
22.416	0.3067	+0.44549	207	−252	+8.006	21	− 5	−15.887	172	−10.913	293
23.413	0.3094	0.44756	209	−219	8.027	22	+29	15.715	176	11.206	289
24.410	0.3121	0.44965	213	−128	8.049	21	+55	15.539	181	11.495	285
25.407	0.3149	0.45178	215	− 10	8.070	22	+69	15.358	185	11.780	282
26.405	0.3176	0.45393	218	+112	8.092	22	+69	15.173	189	12.062	278
27.402	0.3203	0.45611	220	+210	8.114	22	+58	14.984	194	12.340	274
28.399	0.3231	+0.45831	223	+275	+8.136	22	+37	−14.790	198	−12.614	270
29.396	0.3258	0.46054	226	+294	8.158	23	+14	14.592	202	12.884	267
30.394	0.3285	0.46280	229	+268	8.181	22	−13	14.390	205	13.151	263
Mai 1.391	0.3313	0.46509	232	+194	8.203	23	−39	14.185	210	13.414	259
2.388	0.3340	0.46741	234	+ 80	8.226	22	−58	13.975	214	13.673	256
3.386	0.3367	0.46975		− 64	8.248		−69	13.761		13.929	

für 12ʰ Sternzeit Greenwich

Mittlere Zeit Greenwich		t	A	Δ	A′	B	Δ	B′	C	Δ	D	Δ
1921												
Mai	3.386	0.3367	+0.46975	236	− 64	+8.″248	23	−69	−13.″761	217	−13.″929	251
	4.383	0.3394	0.47211	240	−215	8.271	23	−67	13.544	220	14.180	246
	5.380	0.3422	0.47451	243	−351	8.294	22	−51	13.324	225	14.426	243
	6.377	0.3449	0.47694	246	−435	8.316	22	−24	13.099	229	14.669	238
	7.375	0.3476	0.47940	247	−447	8.338	22	+11	12.870	232	14.907	234
	8.372	0.3504	0.48187	250	−374	8.360	23	+44	12.638	236	15.141	230
	9.369	0.3531	+0.48437	254	−224	+8.383	22	+69	−12.402	239	−15.371	225
	10.366	0.3558	0.48691	257	− 28	8.405	22	+78	12.163	242	15.596	220
	11.364	0.3586	0.48948	260	+173	8.427	22	+68	11.921	245	15.816	216
	12.361	0.3613	0.49208	262	+331	8.449	22	+40	11.676	249	16.032	212
	13.358	0.3640	0.49470	264	+409	8.471	22	+ 2	11.427	252	16.244	207
	14.355	0.3668	0.49734	267	+391	8.493	21	−37	11.175	255	16.451	202
	15.353	0.3695	+0.50001	270	+287	+8.514	21	−66	−10.920	257	−16.653	197
	16.350	0.3722	0.50271	273	+129	8.535	22	−79	10.663	261	16.850	192
	17.347	0.3749	0.50544	275	− 37	8.557	21	−72	10.402	263	17.042	188
	18.345	0.3777	0.50819	278	−174	8.578	20	−50	10.139	266	17.230	183
	19.342	0.3804	0.51097	279	−244	8.598	20	−18	9.873	269	17.413	178
	20.339	0.3831	0.51376	282	−243	8.618	20	+18	9.604	272	17.591	173
	21.336	0.3859	+0.51658	285	−176	+8.638	20	+48	− 9.332	274	−17.764	168
	22.334	0.3886	0.51943	287	− 67	8.658	19	+66	9.058	276	17.932	162
	23.331	0.3913	0.52230	289	+ 57	8.677	19	+71	8.782	279	18.094	157
	24.328	0.3941	0.52519	292	+170	8.696	18	+64	8.503	281	18.251	153
	25.325	0.3968	0.52811	293	+251	8.714	18	+46	8.222	283	18.404	147
	26.323	0.3995	0.53104	295	+289	8.732	18	+22	7.939	285	18.551	142
	27.320	0.4022	+0.53399	297	+279	+8.750	17	− 4	− 7.654	288	−18.693	137
	28.317	0.4050	0.53696	300	+218	8.767	17	−31	7.366	289	18.830	131
	29.315	0.4077	0.53996	301	+115	8.784	17	−52	7.077	291	18.961	126
	30.312	0.4104	0.54297	303	− 21	8.801	16	−66	6.786	293	19.087	121
	31.309	0.4132	0.54600	305	−176	8.817	15	−68	6.493	295	19.208	115
Juni	1.306	0.4159	0.54905	307	−323	8.832	14	−58	6.198	296	19.323	110
	2.304	0.4186	+0.55212	308	−433	+8.846	14	−36	− 5.902	298	−19.433	104
	3.301	0.4214	0.55520	309	−477	8.860	14	− 4	5.604	299	19.537	99
	4.298	0.4241	0.55829	311	−437	8.874	14	+31	5.305	301	19.636	94
	5.295	0.4268	0.56140	312	−313	8.888	13	+60	5.004	302	19.730	88
	6.293	0.4296	0.56452	314	−125	8.901	13	+75	4.702	304	19.818	83
	7.290	0.4323	0.56766	315	+ 87	8.914	11	+73	4.398	305	19.901	77
	8.287	0.4350	+0.57081	316	+276	+8.925	11	+53	− 4.093	305	−19.978	72
	9.285	0.4377	0.57397	318	+400	8.936	11	+18	3.788	307	20.050	66
	10.282	0.4405	0.57715	318	+429	8.947	10	−22	3.481	307	20.116	60
	11.279	0.4432	0.58033	319	+366	8.957	10	−56	3.174	308	20.176	54
	12.276	0.4459	0.58352	320	+229	8.967	9	−77	2.866	309	20.230	49
	13.274	0.4487	0.58672		+ 59	8.976		−78	2.557		20.279	

Reduktionsgrößen 1921

für 12^h Sternzeit Greenwich

Mittlere Zeit Greenwich		*t*	*A*		*A'*	*B*		*B'*	*C*		*D*	
1921						"			"		"	
Juni	13.274	0.4487	+0.58672	320	+ 59	+8.976	8	−78	−2.557	310	−20.279	44
	14.271	0.4514	0.58992	321	− 97	8.984	8	−62	2.247	310	20.323	38
	15.268	0.4541	0.59313	322	−200	8.992	7	−32	1.937	310	20.361	32
	16.265	0.4569	0.59635	322	−232	8.999	7	+ 3	1.627	311	20.393	27
	17.263	0.4596	0.59957	322	−194	9.006	6	+36	1.316	311	20.420	21
	18.260	0.4623	0.60279	322	−104	9.012	5	+60	1.005	312	20.441	16
	19.257	0.4650	+0.60601	323	+ 18	+9.017	4	+71	−0.693	312	−20.457	10
	20.254	0.4678	0.60924	322	+137	9.021	4	+68	0.381	312	20.467	4
	21.252	0.4705	0.61246	322	+231	9.025	3	+55	−0.069	312	20.471	2
	22.249	0.4732	0.61568	322	+286	9.028	3	+32	+0.243	311	20.469	8
	23.246	0.4760	0.61890	323	+292	9.031	3	+ 7	0.554	312	20.461	13
	24.244	0.4787	0.62213	322	+251	9.034	2	−20	0.866	311	20.448	18
	25.241	0.4814	+0.62535	322	+160	+9.036	1	−43	+1.177	311	−20.430	24
	26.238	0.4842	0.62857	322	+ 34	9.037	0	−59	1.488	311	20.406	30
	27.235	0.4869	0.63179	320	−122	9.037	0	−68	1.799	310	20.376	35
	28.233	0.4896	0.63499	320	−280	9.037	1	−63	2.109	310	20.341	40
	29.230	0.4924	0.63819	320	−414	9.036	1	−46	2.419	309	20.301	47
	30.227	0.4951	0.64139	319	−494	9.035	2	−18	2.728	307	20.254	52
Juli	1.224	0.4978	+0.64458	318	−495	+9.033	2	+17	+3.035	307	−20.202	58
	2.222	0.5005	0.64776	316	−410	9.031	3	+48	3.342	306	20.144	64
	3.219	0.5033	0.65092	316	−248	9.028	4	+70	3.648	306	20.080	68
	4.216	0.5060	0.65408	314	− 40	9.024	5	+77	3.954	304	20.012	74
	5.214	0.5087	0.65722	313	+172	9.019	4	+64	4.258	303	19.938	80
	6.211	0.5115	0.66035	312	+334	9.015	5	+35	4.561	301	19.858	86
	7.208	0.5142	+0.66347	311	+414	+9.010	6	− 4	+4.862	300	−19.772	90
	8.205	0.5169	0.66658	309	+399	9.004	6	−42	5.162	299	19.682	96
	9.203	0.5197	0.66967	308	+300	8.998	7	−69	5.461	297	19.586	102
	10.200	0.5224	0.67275	307	+146	8.991	8	−79	5.758	296	19.484	107
	11.197	0.5251	0.67582	305	− 14	8.983	8	−70	6.054	294	19.377	113
	12.194	0.5278	0.67887	302	−140	8.975	8	−46	6.348	293	19.264	117
	13.192	0.5306	+0.68189	300	−201	+8.967	9	−11	+6.641	290	−19.147	122
	14.189	0.5333	0.68489	298	−193	8.958	9	+24	6.931	289	19.025	128
	15.186	0.5360	0.68787	297	−119	8.949	9	+52	7.220	287	18.897	133
	16.183	0.5388	0.69084	295	− 8	8.940	10	+69	7.507	285	18.764	139
	17.181	0.5415	0.69379	294	+115	8.930	11	+70	7.792	283	18.625	143
	18.178	0.5442	0.69673	291	+219	8.919	11	+61	8.075	280	18.482	149
	19.175	0.5470	+0.69964	289	+290	+8.908	11	+42	+8.355	278	−18.333	154
	20.173	0.5497	0.70253	286	+314	8.897	12	+15	8.633	276	18.179	159
	21.170	0.5524	0.70539	284	+290	8.885	12	−11	8.909	274	18.020	164
	22.167	0.5552	0.70823	282	+215	8.873	12	−37	9.183	271	17.856	169
	23.164	0.5579	0.71105	280	+101	8.861	12	−56	9.454	268	17.687	173
	24.162	0.5606	0.71385		− 49	8.849		−66	9.722		17.514	

für 12ʰ Sternzeit Greenwich

Mittlere Zeit Greenwich		t	A		A′	B		B′	C		D	
1921												
Juli	24.162	0.5606	+0.71385	278	— 49	+8.849	13	—66	+ 9.722	266	—17.514	179
	25.159	0.5633	0.71663	275	—208	8.836	13	—68	9.988	263	17.335	184
	26.156	0.5661	0.71938	272	—360	8.823	13	—54	10.251	260	17.151	188
	27.153	0.5688	0.72210	269	—473	8.810	14	—31	10.511	257	16.963	193
	28.151	0.5715	0.72479	267	—516	8.796	14	+ 1	10.768	255	16.770	197
	29.148	0.5743	0.72746	264	—477	8.782	14	+36	11.023	252	16.573	203
	30.145	0.5770	+0.73010	262	—353	+8.768	15	+63	+11.275	248	—16.370	207
	31.143	0.5797	0.73272	259	—167	8.753	14	+77	11.523	245	16.163	211
Aug.	1.140	0.5825	0.73531	256	+ 43	8.739	15	+72	11.768	242	15.952	216
	2.137	0.5852	0.73787	254	+231	8.724	15	+48	12.010	239	15.736	220
	3.134	0.5879	0.74041	251	+350	8.709	15	+14	12.249	236	15.516	225
	4.132	0.5906	0.74292	248	+382	8.694	15	—26	12.485	232	15.291	229
	5.129	0.5934	+0.74540	246	+322	+8.679	15	—58	+12.717	229	—15.062	233
	6.126	0.5961	0.74786	243	+195	8.664	15	—76	12.946	225	14.829	238
	7.123	0.5988	0.75029	240	+ 43	8.649	15	—76	13.171	221	14.591	242
	8.121	0.6016	0.75269	237	— 94	8.634	15	—58	13.392	218	14.349	245
	9.118	0.6043	0.75506	234	—175	8.619	14	—27	13.610	214	14.104	250
	10.115	0.6070	0.75740	232	—188	8.605	15	+10	13.824	210	13.854	254
	11.113	0.6098	+0.75972	229	—133	+8.590	16	+42	+14.034	207	—13.600	257
	12.110	0.6125	0.76201	226	— 29	8.574	15	+62	14.241	202	13.343	261
	13.107	0.6152	0.76427	223	+ 92	8.559	15	+71	14.443	199	13.082	266
	14.104	0.6179	0.76650	221	+205	8.544	15	+66	14.642	195	12.816	268
	15.102	0.6207	0.76871	218	+291	8.529	15	+50	14.837	191	12.548	272
	16.099	0.6234	0.77089	215	+333	8.514	14	+26	15.028	186	12.276	276
	17.096	0.6261	+0.77304	213	+326	+8.500	14	0	+15.214	182	—12.000	279
	18.093	0.6289	0.77517	210	+271	8.486	14	—26	15.396	178	11.721	283
	19.091	0.6316	0.77727	207	+171	8.472	14	—49	15.574	174	11.438	286
	20.088	0.6343	0.77934	205	+ 36	8.458	14	—64	15.748	169	11.152	290
	21.085	0.6371	0.78139	202	—123	8.444	14	—68	15.917	165	10.862	293
	22.082	0.6398	0.78341	199	—280	8.430	13	—60	16.082	160	10.569	296
	23.080	0.6425	+0.78540	197	—412	+8.417	13	—41	+16.242	156	—10.273	298
	24.077	0.6453	0.78737	195	—491	8.404	13	—12	16.398	151	9.975	302
	25.074	0.6480	0.78932	192	—493	8.391	12	+22	16.549	147	9.673	304
	26.072	0.6507	0.79124	190	—411	8.379	12	+53	16.696	142	9.369	307
	27.069	0.6534	0.79314	188	—260	8.367	12	+72	16.838	138	9.062	310
	28.066	0.6562	0.79502	186	— 64	8.355	11	+76	16.976	132	8.752	313
	29.063	0.6589	+0.79688	183	+128	+8.344	11	+61	+17.108	128	— 8.439	315
	30.061	0.6616	0.79871	181	+273	8.333	11	+30	17.236	123	8.124	317
	31.058	0.6644	0.80052	179	+339	8.322	10	—10	17.359	118	7.807	320
Sept.	1.055	0.6671	0.80231	178	+316	8.312	10	—46	17.477	113	7.487	322
	2.052	0.6698	0.80409	176	+214	8.302	9	—70	17.590	109	7.165	325
	3.050	0.6726	0.80585		+ 71	8.293		—78	17.699		6.840	

für 12^h Sternzeit Greenwich

Mittlere Zeit Greenwich	*t*	*A*		*A'*	*B*		*B'*	*C*		*D*	
1921											
Sept. 3.050	0.6726	+0.80585	174	+ 71	+8.″293	8	−78	+17.″699	103	−6.″840	326
4.047	0.6753	0.80759	171	− 70	8.285	8	−67	17.802	99	6.514	328
5.044	0.6780	0.80930	170	−171	8.277	8	−39	17.901	93	6.186	330
6.042	0.6807	0.81100	169	−203	8.269	7	− 6	17.994	88	5.856	333
7.039	0.6835	0.81269	168	−167	8.262	6	+29	18.082	83	5.523	334
8.036	0.6862	0.81437	166	− 73	8.256	6	+55	18.165	78	5.189	335
9.033	0.6889	+0.81603	164	+ 53	+8.250	5	+69	+18.243	73	−4.854	337
10.031	0.6917	0.81767	163	+178	8.245	5	+70	18.316	67	4.517	339
11.028	0.6944	0.81930	162	+279	8.240	5	+57	18.383	61	4.178	340
12.025	0.6971	0.82092	161	+340	8.235	4	+35	18.444	57	3.838	342
13.022	0.6999	0.82253	159	+353	8.231	3	+10	18.501	53	3.496	343
14.020	0.7026	0.82412	159	+315	8.228	3	−17	18.554	47	3.153	343
15.017	0.7053	+0.82571	158	+232	+8.225	1	−40	+18.601	42	−2.810	345
16.014	0.7081	0.82729	158	+109	8.224	1	−58	18.643	35	2.465	345
17.012	0.7108	0.82887	157	− 38	8.223	1	−68	18.678	30	2.120	346
18.009	0.7135	0.83044	156	−194	8.222	0	−65	18.708	25	1.774	347
19.006	0.7162	0.83200	155	−336	8.222	0	−51	18.733	20	1.427	348
20.003	0.7190	0.83355	155	−436	8.222	1	−25	18.753	14	1.079	348
21.001	0.7217	+0.83510	155	−474	+8.223	2	+ 7	+18.767	9	−0.731	348
21.998	0.7244	0.83665	155	−430	8.225	2	+39	18.776	3	0.383	349
22.995	0.7272	0.83820	155	−308	8.227	3	+66	18.779	2	−0.034	349
23.992	0.7299	0.83975	155	−135	8.230	4	+77	18.777	8	+0.315	349
24.990	0.7326	0.84130	155	+ 54	8.234	5	+69	18.769	13	0.664	349
25.987	0.7354	0.84285	155	+214	8.239	5	+45	18.756	19	1.013	349
26.984	0.7381	+0.84440	156	+308	+8.244	6	+ 8	+18.737	24	+1.362	349
27.981	0.7408	0.84596	157	+312	8.250	6	−30	18.713	30	1.711	349
28.979	0.7435	0.84753	157	+234	8.256	7	−62	18.683	35	2.060	348
29.976	0.7463	0.84910	158	+ 99	8.263	7	−78	18.648	40	2.408	348
30.973	0.7490	0.85068	158	− 49	8.270	8	−73	18.608	46	2.756	347
Okt. 1.971	0.7517	0.85226	159	−170	8.278	8	−54	18.562	52	3.103	346
2.968	0.7545	+0.85385	160	−232	+8.286	10	−20	+18.510	57	+3.449	345
3.965	0.7572	0.85545	161	−219	8.296	10	+16	18.453	62	3.794	345
4.962	0.7599	0.85706	162	−136	8.306	11	+47	18.391	68	4.139	344
5.960	0.7627	0.85868	164	− 14	8.317	10	+65	18.323	74	4.483	342
6.957	0.7654	0.86032	165	+124	8.327	12	+72	18.249	78	4.825	341
7.954	0.7681	0.86197	167	+244	8.339	12	+63	18.171	84	5.166	340
8.951	0.7709	+0.86364	168	+325	+8.351	12	+45	+18.087	90	+5.506	338
9.949	0.7736	0.86532	170	+358	8.363	13	+20	17.997	95	5.844	337
10.946	0.7763	0.86702	172	+342	8.376	15	− 6	17.902	100	6.181	335
11.943	0.7790	0.86874	174	+275	8.391	15	−32	17.802	106	6.516	334
12.941	0.7818	0.87048	176	+167	8.406	15	−52	17.696	111	6.850	332
13.938	0.7845	0.87224		+ 30	8.421		−64	17.585		7.182	

für 12^h Sternzeit Greenwich

Mittlere Zeit Greenwich		t	A		A'	B		B'	C		D	
1921												
Okt.	13.938	0.7845	+0.87224	176	+ 30	+8.421	16	−64	+17.585	117	+ 7.182	330
	14.935	0.7872	0.87400	180	−123	8.437	16	−67	17.468	121	7.512	328
	15.932	0.7900	0.87580	182	−270	8.453	16	−57	17.347	127	7.840	325
	16.930	0.7927	0.87762	184	−384	8.469	17	−37	17.220	132	8.165	323
	17.927	0.7954	0.87946	186	−445	8.486	18	− 6	17.088	137	8.488	321
	18.924	0.7982	0.88132	188	−431	8.504	18	+27	16.951	143	8.809	318
	19.921	0.8009	+0.88320	191	−340	+8.522	18	+57	+16.808	147	+ 9.127	316
	20.919	0.8036	0.88511	194	−181	8.540	19	+74	16.661	153	9.443	313
	21.916	0.8063	0.88705	196	+ 5	8.559	19	+74	16.508	157	9.756	311
	22.913	0.8091	0.88901	199	+178	8.578	20	+57	16.351	163	10.067	307
	23.910	0.8118	0.89100	201	+297	8.598	20	+24	16.188	167	10.374	305
	24.908	0.8145	0.89301	205	+333	8.618	20	−14	16.021	173	10.679	302
	25.905	0.8173	+0.89506	208	+279	+8.638	21	−49	+15.848	177	+10.981	298
	26.902	0.8200	0.89714	210	+155	8.659	21	−73	15.671	182	11.279	295
	27.900	0.8227	0.89924	213	− 3	8.680	20	−77	15.489	187	11.574	292
	28.897	0.8255	0.90137	217	−146	8.700	21	−64	15.302	192	11.866	289
	29.894	0.8282	0.90354	219	−240	8.721	22	−35	15.110	196	12.155	285
	30.891	0.8309	0.90573	222	−259	8.743	21	+ 1	14.914	201	12.440	281
	31.889	0.8337	+0.90795	225	−203	+8.764	22	+36	+14.713	206	+12.721	278
Nov.	1.886	0.8364	0.91020	229	− 91	8.786	22	+58	14.507	210	12.999	273
	2.883	0.8391	0.91249	232	+ 51	8.808	21	+73	14.297	215	13.272	270
	3.880	0.8418	0.91481	234	+184	8.829	22	+68	14.082	219	13.542	266
	4.878	0.8446	0.91715	238	+289	8.851	23	+53	13.863	223	13.808	262
	5.875	0.8473	0.91953	242	+347	8.874	22	+31	13.640	228	14.070	257
	6.872	0.8500	+0.92195	244	+351	+8.896	22	+ 4	+13.412	231	+14.327	253
	7.870	0.8528	0.92439	247	+300	8.918	23	−22	13.181	236	14.580	249
	8.867	0.8555	0.92686	250	+208	8.941	22	−44	12.945	240	14.829	245
	9.864	0.8582	0.92936	254	+ 78	8.963	22	−60	12.705	244	15.074	240
	10.861	0.8610	0.93190	257	− 70	8.985	22	−67	12.461	248	15.314	236
	11.859	0.8637	0.93447	261	−222	9.007	22	−63	12.213	251	15.550	230
	12.856	0.8664	+0.93708	264	−349	+9.029	22	−46	+11.962	256	+15.780	226
	13.853	0.8691	0.93972	267	−430	9.051	22	−18	11.706	260	16.006	221
	14.850	0.8719	0.94239	270	−443	9.073	21	+14	11.446	263	16.227	217
	15.848	0.8746	0.94509	272	−378	9.094	22	+43	11.183	266	16.444	211
	16.845	0.8773	0.94781	276	−239	9.116	21	+67	10.917	270	16.655	207
	17.842	0.8801	0.95057	279	− 57	9.137	20	+75	10.647	273	16.862	202
	18.840	0.8828	+0.95336	282	+135	+9.157	20	+66	+10.374	277	+17.064	196
	19.837	0.8855	0.95618	286	+283	9.177	21	+38	10.097	280	17.260	191
	20.834	0.8883	0.95904	288	+358	9.198	20	+ 1	9.817	283	17.451	185
	21.831	0.8910	0.96192	291	+342	9.218	19	−37	9.534	286	17.636	179
	22.829	0.8937	0.96483	293	+238	9.237	19	−65	9.248	290	17.815	174
	23.826	0.8965	0.96776		+ 84	9.256		−78	8.958		17.989	

Reduktionsgrößen 1921

für 12^h Sternzeit Greenwich

Mittlere Zeit Greenwich	*t*	*A*		*A'*	*B*		*B'*	*C*		*D*	
1921											
Nov. 23.826	0.8965	+0.96776	296	+ 84	+9.256″	19	−78	+8.958″	292	+17.989″	170
24.823	0.8992	0.97072	299	− 77	9.275	19	−72	8.666	294	18.159	164
25.820	0.9019	0.97371	302	−205	9.294	18	−49	8.372	298	18.323	158
26.818	0.9046	0.97673	304	−263	9.312	18	−14	8.074	300	18.481	152
27.815	0.9074	0.97977	307	−243	9.330	17	+23	7.774	302	18.633	147
28.812	0.9101	0.98284	309	−155	9.347	17	+53	7.472	305	18.780	141
29.809	0.9128	+0.98593	312	− 23	+9.364	16	+68	+7.167	307	+18.921	135
30.807	0.9156	0.98905	313	+120	9.380	16	+71	6.860	310	19.056	129
Dez. 1.804	0.9183	0.99218	316	+242	9.396	15	+62	6.550	312	19.185	123
2.801	0.9210	0.99534	317	+320	9.411	14	+41	6.238	314	19.308	117
3.799	0.9238	0.99851	320	+345	9.425	14	+15	5.924	316	19.425	111
4.796	0.9265	1.00171	321	+317	9.439	14	−12	5.608	317	19.536	105
5.793	0.9292	+1.00492	324	+238	+9.453	12	−36	+5.291	320	+19.641	99
6.790	0.9319	1.00816	325	+123	9.465	12	−54	4.971	321	19.740	93
7.788	0.9347	1.01141	327	− 25	9.477	12	−64	4.650	322	19.833	86
8.785	0.9374	1.01468	328	−178	9.489	11	−65	4.328	324	19.919	80
9.782	0.9401	1.01796	330	−318	9.500	11	−53	4.004	325	19.999	74
10.779	0.9429	1.02126	332	−423	9.511	10	−31	3.679	326	20.073	68
11.777	0.9456	+1.02458	332	−465	+9.521	9	0	+3.353	328	+20.141	61
12.774	0.9483	1.02790	332	−432	9.530	8	+31	3.025	329	20.202	56
13.771	0.9511	1.03122	334	−317	9.538	7	+59	2.696	330	20.258	49
14.769	0.9538	1.03456	336	−145	9.545	7	+74	2.366	330	20.307	43
15.766	0.9565	1.03792	336	+ 55	9.552	6	+72	2.036	331	20.350	36
16.763	0.9592	1.04128	336	+232	9.558	6	+52	1.705	331	20.386	30
17.760	0.9620	+1.04464	337	+350	+9.564	5	+18	+1.374	332	+20.416	23
18.758	0.9647	1.04801	337	+379	9.569	5	−20	1.042	333	20.439	17
19.755	0.9674	1.05138	338	+318	9.574	3	−54	0.709	332	20.456	10
20.752	0.9702	1.05476	338	+184	9.577	3	−75	0.377	333	20.466	4
21.749	0.9729	1.05814	338	+ 19	9.580	1	−76	+0.044	333	20.470	2
22.747	0.9756	1.06152	338	−131	9.581	1	−60	−0.289	333	20.468	9
23.744	0.9784	+1.06490	338	−225	+9.582	1	−29	−0.622	333	+20.459	15
24.741	0.9811	1.06828	336	−245	9.583	0	+ 8	0.955	333	20.444	21
25.739	0.9838	1.07164	337	−186	9.583	1	+41	1.288	332	20.423	28
26.736	0.9866	1.07501	338	− 72	9.582	1	+63	1.620	332	20.395	34
27.733	0.9893	1.07839	336	+ 67	9.581	3	+71	1.952	331	20.361	41
28.730	0.9920	1.08175	334	+198	9.578	3	+67	2.283	329	20.320	48
29.728	0.9947	+1.08509	334	+297	+9.575	4	+49	−2.612	330	+20.272	54
30.725	0.9975	1.08843	333	+344	9.571	4	+23	2.942	329	20.218	61
31.722	1.0002	1.09176	331	+335	9.567	6	− 3	3.271	327	20.157	67
32.719	1.0029	1.09507	329	+274	9.561	5	−29	3.598	327	20.090	73
33.717	1.0057	1.09836	329	+168	9.556	6	−49	3.925	325	20.017	79
34.714	1.0084	1.10165	329	+ 31	9.550	8	−62	4.250	324	19.938	85
35.711	1.0111	1.10494		−124	9.542		−66	4.574		19.853	

Mittlere Zeit Greenwich	Rechtwinklige Sonnenkoordinaten, bezogen auf das Äquinoktium 1925.0			Reduktion von dem mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium		
	X	*Y*	*Z*	*f*	log *g*	*G*
1921				s		h m s
Jan. −1.5	+0.138016	−0.893135	−0.387415	−11.698	1.88521	11 35 10
+2.5	0.206882	0.881869	0.382525	11.657	1.88367	11 35 7
6.5	0.274738	0.866202	0.375727	11.616	1.88215	11 35 5
10.5	0.341230	0.846202	0.367051	11.576	1.88065	11 35 5
14.5	0.406010	0.821975	0.356544	11.537	1.87918	11 35 7
18.5	+0.468748	−0.793661	−0.344265	−11.499	1.87775	11 35 10
22.5	0.529141	0.761422	0.330282	11.463	1.87636	11 35 14
26.5	0.586917	0.725429	0.314669	11.428	1.87502	11 35 20
30.5	0.641811	0.685848	0.297497	11.395	1.87373	11 35 27
Febr. 3.5	0.693547	0.642858	0.278848	11.363	1.87249	11 35 34
7.5	+0.741858	−0.596672	−0.258814	−11.333	1.87131	11 35 41
11.5	0.786496	0.547531	0.237500	11.304	1.87019	11 35 49
15.5	0.827244	0.495700	0.215020	11.277	1.86913	11 35 56
19.5	0.863920	0.441459	0.191493	11.252	1.86813	11 36 3
23.5	0.896381	0.385079	0.167036	11.228	1.86718	11 36 8
27.5	+0.924494	−0.326822	−0.141764	−11.205	1.86627	11 36 13
März 3.5	0.948124	0.266958	0.115795	11.183	1.86541	11 36 16
7.5	0.967151	0.205778	0.089257	11.162	1.86459	11 36 17
11.5	0.981481	0.143590	0.062284	11.142	1.86380	11 36 17
15.5	0.991056	0.080716	0.035015	11.122	1.86304	11 36 15
19.5	+0.995862	−0.017478	−0.007585	−11.102	1.86229	11 36 11
23.5	0.995914	+0.045824	+0.019875	11.083	1.86155	11 36 5
27.5	0.991238	0.108909	0.047242	11.063	1.86080	11 35 57
31.5	0.981860	0.171495	0.074391	11.043	1.86005	11 35 47
April 4.5	0.967822	0.233289	0.101195	11.023	1.85929	11 35 35
8.5	+0.949190	+0.293990	+0.127522	−11.002	1.85851	11 35 21
12.5	0.926069	0.353297	0.153245	10.980	1.85769	11 35 6
16.5	0.898600	0.410923	0.178241	10.957	1.85684	11 34 49
20.5	0.866948	0.466610	0.202398	10.933	1.85595	11 34 30
24.5	0.831280	0.520127	0.225614	10.908	1.85501	11 34 11
28.5	+0.791760	+0.571249	+0.247790	−10.881	1.85401	11 33 50
Mai 2.5	0.748564	0.619744	0.268825	10.853	1.85296	11 33 29
6.5	0.701888	0.665385	0.288620	10.824	1.85186	11 33 8
10.5	0.651961	0.707950	0.307080	10.793	1.85071	11 32 46
14.5	0.599043	0.747239	0.324123	10.761	1.84950	11 32 24

Mittlere Zeit Greenwich	Rechtwinklige Sonnenkoordinaten, bezogen auf das Äquinoktium 1925.0			Reduktion von dem mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium		
	X	*Y*	*Z*	*f*	log *g*	*G*
1921				s		h m s
Mai 14.5	+0.599043	+0.747239	+0.324123	−10.761	1.84950	11 32 24
18.5	0.543402	0.783093	0.339677	10.727	1.84824	11 32 2
22.5	0.485302	0.815379	0.353684	10.692	1.84691	11 31 41
26.5	0.424997	0.843969	0.366086	10.657	1.84553	11 31 21
30.5	0.362746	0.868739	0.376829	10.620	1.84410	11 31 2
Juni 3.5	+0.298825	+0.889570	+0.385862	−10.582	1.84263	11 30 44
7.5	0.233532	0.906353	0.393140	10.544	1.84112	11 30 27
11.5	0.167187	0.919011	0.398631	10.505	1.83957	11 30 12
15.5	0.100112	0.927506	0.402319	10.465	1.83799	11 29 59
19.5	+0.032605	0.931828	0.404195	10.425	1.83639	11 29 48
23.5	−0.035047	+0.931969	+0.404257	−10.386	1.83477	11 29 38
27.5	0.102555	0.927926	0.402501	10.346	1.83314	11 29 30
Juli 1.5	0.169625	0.919704	0.398932	10.307	1.83151	11 29 24
5.5	0.235946	0.907321	0.393559	10.268	1.82989	11 29 20
9.5	0.301196	0.890828	0.386406	10.229	1.82828	11 29 18
13.5	−0.365064	+0.870317	+0.377512	−10.192	1.82669	11 29 17
17.5	0.427268	0.845899	0.366923	10.155	1.82512	11 29 18
21.5	0.487546	0.817688	0.354685	10.120	1.82359	11 29 21
25.5	0.545641	0.785800	0.340852	10.085	1.82208	11 29 25
29.5	0.601294	0.750359	0.325476	10.052	1.82061	11 29 31
Aug. 2.5	−0.654238	+0.711501	+0.308620	−10.020	1.81919	11 29 37
6.5	0.704205	0.669396	0.290358	9.989	1.81784	11 29 44
10.5	0.750949	0.624252	0.270779	9.960	1.81654	11 29 51
14.5	0.794263	0.576286	0.249975	9.932	1.81529	11 29 59
18.5	0.833961	0.525715	0.228038	9.905	1.81410	11 30 6
22.5	−0.869868	+0.472754	+0.205063	− 9.880	1.81296	11 30 13
26.5	0.901814	0.417621	0.181146	9.856	1.81188	11 30 19
30.5	0.929628	0.360548	0.156389	9.833	1.81085	11 30 25
Sept. 3.5	0.953146	0.301794	0.130906	9.811	1.80986	11 30 29
7.5	0.972238	0.241650	0.104821	9.790	1.80892	11 30 32
11.5	−0.986815	+0.180407	+0.078257	− 9.770	1.80802	11 30 33
15.5	0.996815	0.118346	0.051336	9.751	1.80714	11 30 32
19.5	1.002191	+0.055741	+0.024178	9.731	1.80629	11 30 29
23.5	1.002901	−0.007134	−0.003097	9.712	1.80546	11 30 24
27.5	0.998911	0.069999	0.030366	9.693	1.80463	11 30 17

Mittlere Zeit Greenwich	Rechtwinklige Sonnenkoordinaten, bezogen auf das Äquinoktium 1925.0			Reduktion von dem mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium		
	X	*Y*	*Z*	*f*	log *g*	*G*
1921				s		h m s
Sept. 27.5	—0.998911	—0.069999	—0.030366	—9.693	1.80463	11 30 17
Okt. 1.5	0.990199	0.132552	0.057496	9.674	1.80380	11 30 8
5.5	0.976785	0.194473	0.084353	9.654	1.80297	11 29 56
9.5	0.958733	0.255451	0.110802	9.634	1.80212	11 29 42
13.5	0.936131	0.315195	0.136718	9.612	1.80123	11 29 26
17.5	—0.909084	—0.373428	—0.161981	—9.590	1.80030	11 29 8
21.5	0.877702	0.429887	0.186472	9.567	1.79933	11 28 48
25.5	0.842103	0.484305	0.210076	9.542	1.79830	11 28 26
29.5	0.802423	0.536402	0.232671	9.516	1.79721	11 28 3
Nov. 2.5	0.758839	0.585896	0.254137	9.489	1.79607	11 27 38
6.5	—0.711568	—0.632525	—0.274363	—9.460	1.79486	11 27 13
10.5	0.660849	0.676058	0.293248	9.430	1.79357	11 26 48
14.5	0.606928	0.716291	0.310702	9.398	1.79221	11 26 22
18.5	0.550054	0.753035	0.326642	9.364	1.79078	11 25 56
22.5	0.490477	0.786109	0.340987	9.329	1.78927	11 25 30
26.5	—0.428465	—0.815327	—0.353658	—9.292	1.78768	11 25 5
30.5	0.364320	0.840516	0.364581	9.254	1.78602	11 24 42
Dez. 4.5	0.298374	0.861531	0.373697	9.215	1.78430	11 24 19
8.5	0.230968	0.878269	0.380960	9.175	1.78252	11 23 59
12.5	0.162441	0.890656	0.386335	9.135	1.78068	11 23 40
16.5	—0.093122	—0.898643	—0.389800	—9.094	1.77880	11 23 24
20.5	—0.023331	0.902189	0.391337	9.052	1.77688	11 23 10
24.5	+0.046600	0.901255	0.390929	9.010	1.77494	11 22 58
28.5	0.116319	0.895822	0.388571	8.969	1.77298	11 22 49
32.5	0.185457	0.885909	0.384272	8.928	1.77102	11 22 42

Red. in $\alpha = f + {}^1/_{15}\, g \sin(G + \alpha) \operatorname{tg} \delta$

Red. in $\delta = g \cos(G + \alpha)$

Für α und δ sind ihre genäherten Werte für das Äquinoktium $\frac{t_1 + t_2}{2}$ zu setzen (t_1 das instantane wahre Äquinoktium, t_2 das Normaläquinoktium 1925.0); will man hingegen die auf das Äquinoktium t_2 bezogenen Koordinaten benutzen, so hat man noch die auf der folgenden Seite gegebenen Korrektionen anzubringen.

Korrektion der Reduktion vom mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium (s. S. 367/369), berechnet für 1921.5, mit Hinzufügung ihrer einjährigen Änderung

α	δ															
	+60°		+50°		+30°		+10°		−10°		−30°		−50°		−60°	
Für Rektaszension (in 0ˢ.001)																
0ʰ	+3	−2	+2	−1	+1	−1	0	0	0	0	−1	+1	−2	+1	−3	+2
1	+5	−3	+3	−2	+1	−1	+1	0	0	0	−1	0	−1	+1	−2	+1
2	+5	−3	+3	−2	+2	−1	+1	0	0	0	0	0	0	0	0	0
3	+5	−3	+3	−2	+2	−1	+1	0	0	0	0	0	0	0	+1	0
4	+4	−2	+2	−1	+1	−1	+1	0	0	0	0	0	0	0	+1	−1
5	+2	−1	+1	−1	+1	0	0	0	0	0	0	0	0	0	+1	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	−2	+1	−1	+1	−1	0	0	0	0	0	0	0	0	0	0	0
8	−4	+2	−2	+1	−1	+1	0	0	0	0	0	0	0	0	−1	0
9	−5	+3	−3	+2	−1	+1	−1	0	0	0	0	0	0	0	0	0
10	−5	+3	−3	+2	−1	+1	−1	0	0	0	0	0	+1	0	0	0
11	−4	+2	−3	+2	−1	+1	0	0	0	0	+1	−1	+1	−1	+2	−1
12	−3	+2	−2	+1	−1	+1	0	0	0	0	+1	−1	+2	−1	+3	−2
13	−2	+1	−1	+1	−1	0	0	0	+1	0	+1	−1	+3	−2	+5	−3
14	0	0	0	0	0	0	0	0	+1	0	+2	−1	+3	−2	+5	−3
15	+1	0	0	0	0	0	0	0	+1	0	+2	−1	+3	−2	+5	−3
16	+1	−1	0	0	0	0	0	0	+1	0	+1	−1	+2	−1	+4	−2
17	+1	0	0	0	0	0	0	0	0	0	+1	0	+1	−1	+2	−1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	−1	0	−1	+1	−2	+1
20	−1	0	0	0	0	0	0	0	0	0	−1	+1	−2	+1	−4	+2
21	0	0	0	0	0	0	0	0	−1	0	−1	+1	−3	+2	−5	+3
22	0	0	+1	0	0	0	0	0	−1	0	−1	+1	−3	+2	−5	+3
23	+2	−1	+1	−1	+1	0	0	0	0	0	−1	+1	−3	+2	−4	+2
24	+3	−2	+2	−1	+1	−1	0	0	0	0	−1	+1	−2	+1	−3	+2
Für Deklination (in 0″.01)																
0ʰ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	−1	+1	−1	0	−1	0	−1	0	−1	0	−1	0	−1	0	−1	0
2	−2	+1	−2	+1	−2	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1	+1
3	−3	+2	−3	+2	−2	+1	−2	+1	−2	+1	−2	+1	−1	+1	−1	+1
4	−4	+2	−3	+2	−3	+2	−3	+1	−2	+1	−2	+1	−1	+1	−1	0
5	−5	+3	−4	+2	−3	+2	−3	+2	−2	+1	−2	+1	−1	+1	−1	0
6	−5	+3	−4	+2	−3	+2	−3	+2	−3	+1	−2	+1	−1	+1	−1	0
7	−5	+3	−4	+2	−3	+2	−3	+2	−2	+1	−2	+1	−1	+1	−1	0
8	−4	+2	−3	+2	−3	+2	−2	+1	−2	+1	−2	+1	−1	+1	−1	0
9	−3	+2	−3	+1	−2	+1	−2	+1	−2	+1	−2	+1	−1	+1	−1	0
10	−2	+1	−2	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1	0
11	−1	0	−1	0	−1	0	−1	0	−1	0	−1	0	−1	0	−1	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	+1	0	+1	0	+1	0	+1	0	+1	0	+1	0	+1	0	+1	−1
14	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1	+2	−1	+2	−1	+2	−1
15	+1	−1	+1	−1	+2	−1	+2	−1	+2	−1	+2	−1	+3	−2	+3	−2
16	+1	0	+1	−1	+2	−1	+2	−1	+3	−1	+3	−2	+3	−2	+4	−2
17	+1	0	+1	−1	+2	−1	+2	−1	+3	−2	+3	−2	+4	−2	+5	−3
18	+1	0	+1	−1	+2	−1	+3	−1	+3	−2	+3	−2	+4	−2	+5	−3
19	+1	0	+1	−1	+2	−1	+2	−1	+3	−2	+3	−2	+4	−2	+5	−3
20	+1	0	+1	−1	+2	−1	+2	−1	+2	−1	+3	−2	+3	−2	+4	−2
21	+1	0	+1	−1	+2	−1	+2	−1	+2	−1	+2	−1	+3	−1	+3	−2
22	+1	0	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1	+2	−1	+2	−1
23	+1	0	+1	0	+1	0	+1	0	+1	0	+1	0	+1	0	+1	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Übertragung mittlerer Polsternörter von dem Äquinoktium t_1 auf $t_2 = 1921.0$

t_1	$90° - (N)$	$(m) + (N) - 90°$	(n)
	′ ″	′ ″	′ ″
1755	+63 42.61	+63 44.79	+55 28.46
1790	50 17.12	50 18.47	43 46.54
1800	46 26.93	46 28.09	40 26.00
1810	42 36.72	42 37.70	37 5.47
1825	36 51.37	36 52.10	32 4.68
1830	+34 56.24	+34 56.90	+30 24.42
1835	33 1.11	33 1.70	28 44.16
1840	31 5.97	31 6.49	27 3.91
1845	29 10.83	29 11.29	25 23.65
1850	27 15.68	27 16.08	23 43.40
1855	+25 20.53	+25 20.87	+22 3.15
1860	23 25.37	23 25.66	20 22.90
1865	21 30.20	21 30.45	18 42.65
1870	19 35.04	19 35.24	17 2.40
1875	17 39.86	17 40.03	15 22.16
1880	+15 44.68	+15 44.81	+13 41.92
1885	13 49.50	13 49.60	12 1.68
1890	11 54.31	11 54.38	10 21.44
1895	9 59.11	9 59.16	8 41.20
1900	8 3.91	8 3.94	7 0.97
1905	+ 6 8.70	+ 6 8.72	+ 5 20.73
1910	4 13.49	4 13.49	3 40.50
1915	2 18.27	2 18.27	2 0.27
1920	+ 0 23.05	+ 0 23.05	+ 0 20.04
1925	− 1 32.18	− 1 32.18	− 1 20.18

Sind α_1, δ_1 die Koordinaten für t_1 und α_2, δ_2 jene für 1921.0, so hat man

$$a_1 = \alpha_1 + [90° - (N)]$$

$$p = \left(\operatorname{tang} \delta_1 + \cos a_1 \operatorname{tang} \tfrac{1}{2}(n)\right) \sin (n)$$

$$\operatorname{tang} \Delta a = \frac{p \sin a_1}{1 - p \cos a_1}$$

$$\alpha_2 = a_1 + [(m) + (N) - 90°] + \Delta a$$

$$\operatorname{tang} \tfrac{1}{2}(\delta_2 - \delta_1) = \cos (a_1 + \tfrac{1}{2}\Delta a) \sec \tfrac{1}{2}\Delta a \operatorname{tang} \tfrac{1}{2}(n)$$

Reduktion von dem Äquinoktium t_2 auf t_1 siehe Erläuterungen.

Übertragung mittlerer Sternörter von dem Äquinoktium t_1 auf $t_2 = 1921.0$

t_1	$m^s(t_2 - t_1)$	$\log[n^s(t_2 - t_1)]$	$\log[n''(t_2 - t_1)]$
	m s		
1755	+8 29.816	2.346178	3.522269
1790	6 42.367	2.243309	3.419400
1800	6 11.663	2.208814	3.384905
1810	5 40.957	2.171342	3.347433
1825	4 54.896	2.108276	3.284367
1830	+4 39.541	2.085043	3.261134
1835	4 24.185	2.060496	3.236587
1840	4 8.829	2.034478	3.210569
1845	3 53.473	2.006801	3.182892
1850	3 38.116	1.977240	3.153331
1855	+3 22.759	1.945522	3.121613
1860	3 7.401	1.911303	3.087394
1865	2 52.043	1.874155	3.050246
1870	2 36.684	1.833532	3.009623
1875	2 21.326	1.788716	2.964807
1880	+2 5.966	1.738738	2.914829
1885	1 50.606	1.682253	2.858344
1890	1 35.245	1.61731	2.79340
1895	1 19.884	1.54091	2.71700
1900	1 4.523	1.44816	2.62425
1905	+0 49.161	1.33005	2.50614
1910	0 33.799	1.16732	2.34341
1915	0 18.436	0.90407	2.08016
1920	+0 3.073	0.12592	1.30201
1925	−0 12.291	0.72797_n	1.90406_n

Sind α_1, δ_1 die Koordinaten für t_1 und α_2, δ_2 jene für $t_2 = 1921.0$, ist ferner α', δ' der genäherte Sternort für die Zeit

$$\tfrac{1}{2}(t_1 + t_2),$$

so ist

$$\alpha_2 = \alpha_1 + m^s(t_2 - t_1) + [n^s(t_2 - t_1)] \sin \alpha' \operatorname{tg} \delta'$$

$$\delta_2 = \delta_1 + [n''(t_2 - t_1)] \cos \alpha'$$

α	$0^h, 12^h$		$1^h, 13^h$		$2^h, 14^h$		$3^h, 15^h$		$4^h, 16^h$		$5^h, 17^h$	
	$+A_1-$	$+D-$	$+A_1-$	$+D-$	$+A_1-$	$+D-$	$+A_1-$	$+D-$	$+A_1-$	$+D-$	$+A_1-$	$+D-$
m	s	"	s	"	s	"	s	"	s	"	s	"
0	0.002	80.18	1.386	77.44	2.675	69.42	3.781	56.67	4.630	40.06	5.164	20.72
1	026	80.18	408	77.35	695	69.24	798	56.42	642	39.75	170	20.38
2	049	80.18	431	77.25	715	69.07	814	56.17	654	39.45	176	20.04
3	072	80.18	453	77.16	735	68.89	831	55.92	665	39.14	181	19.70
4	096	80.17	476	77.07	755	68.71	847	55.66	676	38.83	187	19.36
5	119	80.16	498	76.97	775	68.53	863	55.41	688	38.53	193	19.02
6	142	80.15	520	76.87	795	68.35	879	55.16	699	38.22	199	18.68
7	166	80.14	543	76.77	815	68.16	895	54.90	710	37.92	204	18.34
8	189	80.13	565	76.67	835	67.97	911	54.65	721	37.61	209	18.00
9	212	80.12	587	76.56	854	67.79	927	54.40	732	37.30	214	17.66
10	0.236	80.11	1.610	76.46	2.874	67.60	3.943	54.14	4.743	36.99	5.219	17.32
11	259	80.09	632	76.35	894	67.41	959	53.88	754	36.68	224	16.98
12	282	80.07	654	76.24	913	67.22	974	53.62	764	36.37	229	16.64
13	305	80.05	676	76.13	933	67.03	3.990	53.36	774	36.06	234	16.29
14	329	80.03	698	76.02	952	66.84	4.005	53.10	785	35.74	238	15.95
15	352	80.01	721	75.91	972	66.65	020	52.83	795	35.43	243	15.61
16	375	79.98	743	75.80	2.991	66.45	036	52.57	805	35.11	248	15.27
17	399	79.96	765	75.69	3 010	66.26	051	52.30	816	34.80	252	14.92
18	422	79.93	787	75.57	030	66.06	066	52.04	826	34.49	256	14.58
19	445	79.90	808	75.45	049	65.86	081	51.78	836	34.17	260	14.23
20	0.468	79.87	1.830	75.33	3.068	65.66	4.096	51.51	4.845	33.85	5.265	13.89
21	491	79.84	852	75.21	087	65.46	111	51.24	855	33.53	269	13.54
22	515	79.81	874	75.09	106	65.26	126	50.97	865	33.22	272	13.20
23	538	79.77	896	74.97	125	65.05	141	50.70	875	32.90	276	12.85
24	561	79.74	918	74.84	144	64.85	156	50.43	884	32.58	280	12.51
25	584	79.70	940	74.72	163	64.64	170	50.16	894	32.26	283	12.16
26	607	79.66	961	74.59	181	64.43	185	49.89	903	31.94	287	11.81
27	631	79.62	1.983	74.46	200	64.22	199	49.62	912	31.62	290	11.47
28	654	79.58	2.005	74.33	219	64.01	214	49.33	921	31.29	294	11.12
29	677	79.53	026	74.20	237	63.80	228	49.05	930	30.97	297	10.78
30	0.700	79.49	2.048	74.07	3.256	63.59	4.242	48.78	4.939	30.65	5.300	10.43
31	723	79.44	069	73.93	274	63.38	256	48.50	948	30.33	303	10.08
32	746	79.39	091	73.79	293	63.16	270	48.22	957	30.00	306	9.74
33	769	79.34	112	73.65	311	62.94	284	47.94	966	29.68	309	9.39
34	792	79.29	134	73.51	329	62.73	298	47.66	974	29.35	311	9.04
35	816	79.24	155	73.37	348	62.51	312	47.38	983	29.03	314	8.69
36	839	79.19	176	73.23	366	62.29	326	47.10	991	28.70	316	8.34
37	862	79.13	198	73.09	384	62.07	339	46.81	4.999	28.37	319	8.00
38	885	79.07	219	72.95	402	61.84	353	46.53	5.008	28.05	321	7.65
39	908	79.01	240	72.80	420	61.62	367	46.24	016	27.72	323	7.30
40	0.931	78.95	2.261	72.65	3 438	61.39	4.380	45.96	5.024	27.39	5.325	6.95
41	954	78.89	282	72.50	456	61.17	393	45.67	032	27.06	327	6.60
42	976	78.83	303	72.35	473	60.94	407	45.38	040	26.73	329	6.25
43	0.999	78.77	324	72.20	491	60.72	420	45.09	047	26.40	331	5.91
44	1.022	78.70	345	72.05	509	60.49	433	44.80	055	26.07	332	5.56
45	045	78.63	366	71.89	526	60.26	446	44.51	062	25.74	334	5.21
46	068	78.56	387	71.74	544	60.03	459	44.22	070	25.41	335	4.86
47	091	78.49	408	71.58	561	59.79	472	43.93	077	25.07	337	4.51
48	114	78.42	429	71.42	579	59.55	484	43.64	084	24.74	338	4.16
49	137	78.35	450	71.26	596	59.32	497	43.34	092	24.41	339	3.81
50	1.159	78.27	2.470	71.10	3.613	59.09	4.509	43.05	5.099	24.08	5.340	3.46
51	182	78.19	491	70.94	630	58.85	522	42.75	106	23.75	341	3.11
52	205	78.11	512	70.78	647	58.62	534	42.45	112	23.41	342	2.76
53	228	78.03	532	70.61	664	58.38	547	42.16	119	23.07	343	2.41
54	250	77.95	553	70.45	681	58.14	559	41.85	126	22.74	344	2.06
55	272	77.87	573	70.28	698	57.90	571	41.56	132	22.40	344	1.71
56	295	77.78	594	70.11	715	57.65	583	41.26	139	22.06	345	1.36
57	318	77.70	614	69.94	732	57.40	595	40.96	145	21.73	345	1.01
58	341	77.61	634	69.77	748	57.16	607	40.66	152	21.38	345	0.66
59	363	77.53	654	69.60	765	56.92	619	40.36	158	21.05	345	0.31
60	1.386	77.44	2.675	69.42	3.781	56.67	4.630	40.06	5.164	20.72	5.345	

α	6^h, 18^h		7^h, 19^h		8^h, 20^h		9^h, 21^h		10^h, 22^h		11^h, 23^h	
m	+A₁− s	−D+ ″	+A₁− s	−D+ ″	+A₁− s	−D+ ″	+A₁− s	−D+ ″	+A₁− s	−D+ ″	+A₁− s	−D+ ″
0	5.345	0.04	5.163	20.79	4.628	40.12	3.778	56.72	2.671	69.45	1.381	77.46
1	345	0.39	157	21.13	616	40.42	762	56.97	650	69.63	359	77.55
2	345	0.74	150	21.46	604	40.73	745	57.21	630	69.80	336	77.64
3	345	1.09	144	21.80	592	41.03	728	57.46	610	69.97	313	77.72
4	344	1.44	138	22.14	580	41.33	711	57.70	589	70.14	291	77.81
5	344	1 79	131	22.47	568	41.63	695	57.94	569	70.31	268	77.89
6	343	2.14	125	22.81	556	41.92	678	58.18	548	70.48	245	77.97
7	343	2.49	118	23.14	544	42.22	661	58.42	528	70.65	223	78.05
8	342	2.84	111	23.48	532	42.52	644	58.66	507	70.81	200	78.13
9	341	3.19	104	23.81	519	42.82	627	58.90	487	70.98	177	78.21
10	5.340	3.54	5.097	24.15	4.507	43.11	3.609	59.14	2.466	71.14	1.155	78.29
11	339	3.89	090	24.48	494	43.40	592	59.37	445	71.30	132	78.36
12	338	4.23	083	24.81	482	43.70	575	59.61	425	71.46	109	78.44
13	337	4.58	076	25.14	469	43.99	558	59.85	404	71.61	086	78.51
14	335	4.93	068	25.47	456	44.28	540	60.08	383	71.77	063	78.58
15	334	5.27	061	25.80	443	44.58	523	60.31	362	71.93	040	78.65
16	332	5.62	053	26.13	430	44.87	505	60.54	341	72.08	1.017	78.71
17	330	5.97	046	26.46	417	45.16	487	60.76	320	72.24	0.995	78.78
18	329	6.32	038	26.80	404	45.45	470	60.99	299	72.39	972	78.84
19	327	6.67	030	27.13	391	45.73	452	61.22	278	72.54	949	78.91
20	5.325	7.02	5.022	27.46	4.377	46.02	3.434	61.44	2.257	72.68	0.926	78.97
21	323	7.37	014	27.78	364	46.30	416	61.66	236	72.83	903	79.03
22	320	7.72	5.006	28.11	350	46.59	398	61.89	215	72.97	880	79.09
23	318	8.07	4.998	28.44	337	46.87	380	62.11	193	73.12	857	79.14
24	316	8.42	989	28.77	323	47.16	362	62.33	172	73.26	834	79.20
25	313	8.77	981	29.10	309	47.44	344	62.55	151	73.40	811	79.25
26	311	9.11	972	29.42	295	47.72	326	62.77	129	73.54	788	79.30
27	308	9.46	964	29.74	282	48.00	307	62.98	108	73.68	765	79.35
28	305	9.81	955	30.07	268	48.28	289	63.20	086	73.82	742	79.40
29	302	10.15	946	30.39	253	48.56	271	63.42	065	73.96	718	79.45
30	5.299	10.50	4.938	30.72	4.239	48.84	3.252	63.63	2.043	74.09	0.695	79.50
31	296	10.84	929	31.04	225	49 12	234	63.84	021	74.22	672	79.54
32	293	11.19	919	31.36	211	49.39	215	64.05	2.000	74.35	649	79.59
33	290	11.54	910	31.68	196	49.67	196	64.26	1.978	74.48	626	79.63
34	286	11.89	901	32.00	182	49.94	178	64.47	957	74.61	603	79.67
35	283	12.24	892	32.32	167	50.22	159	64.68	935	74.74	580	79.71
36	279	12.58	882	32.64	153	50.49	140	64.88	913	74.87	557	79.74
37	275	12.93	873	32.96	138	50.76	121	65.09	892	74.99	533	79.78
38	272	13.27	863	33.28	123	51.03	102	65.29	870	75.12	510	79.81
39	268	13.62	853	33.60	108	51.30	083	65.49	848	75.24	487	79.85
40	5.264	13.96	4.843	33.92	4.093	51.57	3.064	65.69	1.826	75.36	0.463	79.88
41	260	14.30	833	34.23	078	51.84	045	65.89	804	75.48	440	79.91
42	255	14.65	823	34.55	062	52.10	026	66.09	782	75.60	417	79.94
43	251	14.99	813	34.87	047	52.37	3.006	66.29	760	75.71	394	79.96
44	247	15.33	803	35.18	032	52.63	2.987	66.49	738	75.82	370	79.99
45	242	15.68	793	35.50	017	52.89	968	66.69	716	75.94	347	80.01
46	238	16.02	783	35.81	4.002	53.15	948	66.88	694	76.05	324	80.03
47	233	16.36	772	36.12	3.986	53.42	929	67.07	672	76.16	301	80.05
48	228	16.71	762	36.43	970	53.68	909	67.26	650	76.27	277	80.07
49	223	17.05	751	36.74	955	53.94	890	67.45	627	76.38	254	80.09
50	5.218	17.39	4.740	37.05	3.939	54.20	2.870	67.64	1.605	76.48	0.231	80.10
51	213	17.73	729	37.36	924	54.45	850	67.83	583	76.58	208	80.12
52	208	18.07	718	37.67	908	54.71	831	68.01	561	76.69	184	80.13
53	203	18.41	707	37.98	892	54.96	811	68.20	538	76.79	161	80.14
54	197	18.75	696	38.29	876	55.22	791	68.38	516	76.89	138	80.15
55	192	19.09	685	38.60	860	55.47	771	68.56	493	76.99	114	80.16
56	186	19.43	674	38.90	844	55.72	751	68.74	471	77.08	091	80.17
57	180	19.77	663	39.21	827	55.97	731	68.92	449	77.18	068	80.17
58	174	20.11	651	39.51	811	56.22	711	69.10	426	77.27	044	80.18
59	169	20.45	640	39.82	795	56.47	691	69.28	404	77.37	021	80.18
60	5.163	20.79	4.628	40.12	3.778	56.72	2.671	69.45	1.381	77.46		80.18

Übertragung von Sternörtern vom mittleren Äquinoktium 1921.0 auf das Normaläquinoktium 1925.0 (Fortsetzung)

α	A	A_2	D_1	α	α	A	A_2	D_1	α
h m	s	s	"	h m	h m	s	s	"	h m
0 0	+12.291	+0.0000	−0.000	12 0	6 0	+12.291	−0.0000	−0.016	18 0
10	291	01	000	10	10	291	01	016	10
20	291	02	000	20	20	291	02	016	20
30	291	03	000	30	30	291	03	016	30
40	291	04	001	40	40	291	04	015	40
50	291	04	001	50	50	291	04	015	50
1 0	+12.291	+0.0005	−0.001	13 0	7 0	+12.291	−0.0005	−0.015	19 0
10	291	06	001	10	10	291	06	014	10
20	291	07	002	20	20	291	07	014	20
30	291	07	002	30	30	291	07	013	30
40	291	08	003	40	40	291	08	013	40
50	292	09	003	50	50	291	09	012	50
2 0	+12.292	+0.0009	−0.004	14 0	8 0	+12.291	−0.0009	−0.012	20 0
10	292	09	004	10	10	291	09	011	10
20	292	10	005	20	20	291	10	011	20
30	292	10	006	30	30	291	10	010	30
40	292	10	006	40	40	291	10	009	40
50	292	10	007	50	50	291	10	009	50
3 0	+12.292	+0.0010	−0.008	15 0	9 0	+12.291	−0.0010	−0.008	21 0
10	292	10	009	10	10	291	10	007	10
20	292	10	009	20	20	291	10	006	20
30	292	10	010	30	30	291	10	006	30
40	292	10	011	40	40	291	10	005	40
50	292	09	011	50	50	291	09	004	50
4 0	+12.292	+0.0009	−0.012	16 0	10 0	+12.291	−0.0009	−0.004	22 0
10	292	09	012	10	10	291	09	003	10
20	291	08	013	20	20	291	08	003	20
30	291	07	013	30	30	291	07	002	30
40	291	07	014	40	40	291	07	002	40
50	291	06	014	50	50	291	06	001	50
5 0	+12.291	+0.0005	−0.015	17 0	11 0	+12.291	−0.0005	−0.001	23 0
10	291	04	015	10	10	291	04	001	10
20	291	04	015	20	20	291	04	001	20
30	291	03	016	30	30	291	03	000	30
40	291	02	016	40	40	291	02	000	40
50	291	01	016	50	50	291	01	000	50
6 0	+12.291	+0.0000	−0.016	18 0	12 0	+12.291	−0.0000	−0.000	24 0

$$\alpha_{1925} = \alpha_{1921} + A + A_1 \operatorname{tg} \delta_{1921} + A_2 \operatorname{tg}^2 \delta_{1921}$$
$$\delta_{1925} = \delta_{1921} + D + D_1 \operatorname{tg} \delta_{1921}$$

A_1 und D sind in der Tafel (S. 372/373) mit dem Argument α_{1921} zu entnehmen; für die Werte von α zwischen 0^h und 12^h gelten die Vorzeichen zur Linken, für die Werte von α zwischen 12^h und 24^h die Vorzeichen zur Rechten.

Finsternisse, Sternbedeckungen, Trabanten

Konstellationen, Hülfstafeln

1921

Im Jahre 1921 finden zwei Sonnenfinsternisse und zwei Mondfinsternisse statt.

I. Ringförmige Sonnenfinsternis 1921 April 7

Konjunktion in Rektaszension April 7, $21^h 44^m 44^s.9$ Mittl. Zt. Greenwich

Rektaszension des Mondes	$1^h\ 6^m\ 27^s.28$
Stündliche Änderung	2 6.36
Rektaszension der Sonne	1 6 27.28
Stündliche Änderung	9.15
Deklination des Mondes	$+7°\ 56'\ 35''.6$
Stündliche Änderung	+9 41.2
Deklination der Sonne	+7 4 8.4
Stündliche Änderung	+56.2
Äquatorialhorizontalparallaxe des Mondes . .	$56'\ 46''.4$
» der Sonne . . .	8.8
Halbmesser des Mondes	$15'\ 27''.4$
» der Sonne	15 58.0

	Mittl. Zeit Greenwich	Westl. Länge von Greenwich	Geographische Breite
Beginn der Finsternis überhaupt .	$18^h\ 51^m.6$	14° 40′	+17° 59′
Beginn der zentralen Finsternis . .	20 23.5	42 38	+45 41
Zentrale Finsternis im wahren Mittag	21 44.8	325 41	+75 28
Ende der zentralen Finsternis . .	22 5.8	206 55	+77 30
Ende der Finsternis überhaupt . .	23 37.7	255 2	+51 12

Grenzkurven für die Sichtbarkeit der Finsternis

Nordöstliche Grenze		Südliche Grenze		Nordwestliche Grenze		Zentralkurve			
Westl. Länge °	Breite °	Westl. Länge °	Breite °	Westl. Länge °	Breite °	Mittlere Zeit Greenwich h m	λ °	φ °	Dauer der ringförmigen Verfinsterung m s
106.6	+82.4	250.4	+35.9	21.2	+ 2.7		42.6	+45.7	
152.1	+82.5	276.8	+37.6	22.3	+ 2.6	20 30	25.4	+49.4	1 54
200.7	+74.4	291.0	+36.7	27.5	+ 4.4	40	16.1	+53.0	1 53
217.5	+63.7	300.3	+35.0	33.1	+ 9.0	50	9.3	+56.3	1 52
227.3	+53.6	307.5	+32.9	39.0	+16.2	21 0	3.4	+59.6	1 51
234.8	+45.3	319.0	+27.8	48.8	+31.0	10	357.5	+62.9	1 50
238.1	+42.0	324.3	+24.8	56.0	+42.3	20	351.1	+66.3	1 50
241.1	+39.4	329.9	+21.4	64.2	+53.5	30	343.4	+69.8	1 50
244.0	+37.5	336.4	+17.5	74.3	+64.1	40	332.7	+73.6	1 50
246.8	+36.3	345.0	+12.9	89.9	+73.8	50	315.0	+77.6	1 51
249.3	+35.8	1.1	+ 6.7	127.0	+81.6	22 0	274.2	+80.9	1 52
250.4	+35.9	21.2	+ 2.7	166.9	+82.9		206.9	+77.5	

Die Finsternis beginnt demnach auf dem Atlantischen Ozean, ist sichtbar in Labrador und Grönland, in ganz Europa, in Nordafrika, dem nördlichen Asien bis nach China hinein. Die Zentralkurve streift das nördliche Schottland und das nordwestliche Norwegen.

Elemente der ringförmigen Sonnenfinsternis 1921 April 7

Mittl. Zeit Greenwich	x	y	log sin d	log cos d	μ	$l^{(a)}$	$l^{(i)}$
18h 50m	−1.49222	+0.47681	9.08727	9.99673	281° 59.0′	+0.55523	+0.00927
19 0	−1.40686	+0.50256	9.08743	9.99673	284 29.0	+0.55522	+0.00926
10	1.32149	0.52831	9.08759	9.99672	286 59.1	0.55521	0.00925
20	1.23612	0.55406	9.08774	9.99672	289 29.1	0.55520	0.00923
30	1.15075	0.57980	9.08790	9.99672	291 59.1	0.55518	0.00922
40	1.06537	0.60554	9.08805	9.99672	294 29.2	0.55517	0.00921
50	0.97998	0.63127	9.08821	9.99671	296 59.2	0.55515	0.00919
20 0	−0.89460	+0.65700	9.08837	9.99671	299 29.3	+0.55514	+0.00917
10	0.80921	0.68273	9.08852	9.99671	301 59.3	0.55512	0.00916
20	0.72381	0.70845	9.08868	9.99671	304 29.4	0.55511	0.00914
30	0.63841	0.73417	9.08883	9.99671	306 59.4	0.55509	0.00912
40	0.55301	0.75989	9.08899	9.99670	309 29.4	0.55507	0.00911
50	0.46761	0.78560	9.08914	9.99670	311 59.5	0.55505	0.00909
21 0	−0.38221	+0.81131	9.08930	9.99670	314 29.5	+0.55503	+0.00907
10	0.29680	0.83701	9.08946	9.99670	316 59.6	0.55501	0.00905
20	0.21139	0.86271	9.08961	9.99669	319 29.6	0.55499	0.00903
30	0.12598	0.88841	9.08977	9.99669	321 59.7	0.55497	0.00901
40	−0.04056	0.91410	9.08992	9.99669	324 29.7	0.55495	0.00899
50	+0.04485	0.93979	9.09008	9.99669	326 59.7	0.55493	0.00897
22 0	+0.13027	+0.96547	9.09023	9.99668	329 29.8	+0.55491	+0.00894
10	0.21569	0.99115	9.09039	9.99668	331 59.8	0.55488	0.00892
20	0.30111	1.01682	9.09054	9.99668	334 29.9	0.55486	0.00890
30	0.38653	1.04249	9.09070	9.99668	336 59.9	0.55483	0.00887
40	0.47195	1.06816	9.09085	9.99667	339 29.9	0.55481	0.00885
50	0.55737	1.09382	9.09101	9.99667	342 0.0	0.55478	0.00882
23 0	+0.64280	+1.11948	9.09116	9.99667	344 30.0	+0.55476	+0.00880
10	0.72822	1.14513	9.09132	9.99667	347 0.1	0.55473	0.00877
20	0.81365	1.17078	9.09147	9.99667	349 30.1	0.55470	0.00874
30	0.89907	1.19642	9.09163	9.99666	352 0.2	0.55467	0.00871
40	0.98449	1.22206	9.09178	9.99666	354 30.2	0.55464	0.00868

Mittl. Zeit Greenwich	x'	y'	log tang $f^{(a)}$	log tang $f^{(i)}$
18h 0m	+0.008534	−0.002577	7.66919	7.66702
19 0	8536	2575	7.66918	7.66701
20 0	8538	2573	7.66918	7.66701
21 0	8540	2571	7.66917	7.66700
22 0	8542	2568	7.66917	7.66700
23 0	8542	2566	7.66916	7.66699
0 0	8542	2563	7.66916	7.66699

Ringförmige Sonnenfinsternis 1921 April 7

φ	Östl. Länge von Greenwich	Anfang der Finsternis			Größte Phase		Ende der Finsternis		
		Mittl. Zeit Greenwich	P	Q	Mittl. Zeit Greenwich	Betrag	Mittl. Zeit Greenwich	P	Q
	m	h m	°	°	h m		h m	°	°
	25	19 27.2	261.1	304.8	20 40.7	0.74	22 1.0	50.7	75.7
	35	19 29.2	262.0	305.0	20 43.2	0.72	22 4.4	49.2	71.3
	45	19 31.4	263.0	305.3	20 46.1	0.70	22 7.9	47.7	66.6
45°	55	19 33.9	264.1	305.4	20 49.3	0.68	22 11.5	46.2	61.7
	65	19 36.6	265.3	305.5	20 52.6	0.65	22 15.1	44.7	56.6
	75	19 39.7	266.4	305.4	20 56.2	0.63	22 18.7	43.2	51.3
	85	19 43.0	267.7	305.2	20 59.9	0.61	22 22.3	41.7	45.9
	25	19 28.9	260.3	302.8	20 42.4	0.76	22 3.0	51.8	75.5
	35	19 30.9	261.2	303.0	20 45.1	0.74	22 6.4	50.3	71.2
	45	19 33.0	262.2	303.2	20 48.0	0.71	22 9.9	48.9	66.6
46°	55	19 35.5	263.2	303.3	20 51.2	0.69	22 13.4	47.4	61.9
	65	19 38.2	264.4	303.4	20 54.5	0.67	22 17.0	46.0	56.9
	75	19 41.2	265.5	303.3	20 58.0	0.65	22 20.6	44.5	51.8
	85	19 44.4	266.8	303.0	21 1.7	0.62	22 24.2	43.0	46.6
	25	19 30.6	259.5	300.8	20 44.3	0.77	22 4.9	52.8	75.4
	35	19 32.6	260.4	301.0	20 47.1	0.75	22 8.3	51.4	71.2
	45	19 34.7	261.4	301.2	20 49.9	0.73	22 11.8	50.0	66.7
47°	55	19 37.1	262.4	301.3	20 53.0	0.71	22 15.3	48.6	62.1
	65	19 39.8	263.5	301.3	20 56.3	0.69	22 18.8	47.2	57.2
	75	19 42.7	264.6	301.2	20 59.8	0.66	22 22.4	45.8	52.3
	85	19 45.9	265.8	300.9	21 3.4	0.64	22 26.0	44.3	47.3
	25	19 32.4	258.7	298.9	20 46.3	0.78	22 6.8	53.9	75.3
	35	19 34.3	259.6	299.1	20 49.0	0.77	22 10.2	52.5	71.1
	45	19 36.4	260.6	299.2	20 51.8	0.74	22 13.6	51.2	66.8
48°	55	19 38.8	261.6	299.3	20 54.9	0.72	22 17.1	49.8	62.3
	65	19 41.4	262.6	299.2	20 58.1	0.70	22 20.6	48.4	57.6
	75	19 44.2	263.7	299.1	21 1.5	0.68	22 24.1	47.0	52.9
	85	19 47.4	264.9	299.1	21 5.1	0.66	22 27.7	45.6	48.0
	25	19 34.2	258.0	297.0	20 48.2	0.80	22 8.6	54.9	75.2
	35	19 36.1	258.8	297.2	20 50.8	0.78	22 12.0	53.6	71.1
	45	19 38.2	259.8	297.3	20 53.7	0.76	22 15.4	52.3	66.9
49°	55	19 40.5	260.8	297.3	20 56.7	0.74	22 18.8	50.9	62.6
	65	19 43.0	261.8	297.2	20 59.9	0.72	22 22.3	49.6	58.1
	75	19 45.8	262.9	297.0	21 3.2	0.70	22 25.8	48.3	53.5
	85	19 48.9	264.0	296.8	21 6.7	0.68	22 29.3	46.9	48.8
	25	19 36.1	257.3	295.2	20 50.1	0.81	22 10.4	55.9	75.1
	35	19 37.9	258.1	295.3	20 52.7	0.80	22 13.7	54.6	71.2
	45	19 40.0	259.0	295.4	20 55.5	0.78	22 17.1	53.3	67.1
50°	55	19 42.2	260.0	295.4	20 58.5	0.76	22 20.5	52.1	62.9
	65	19 44.7	261.0	295.3	21 1.6	0.74	22 23.9	50.8	58.5
	75	19 47.4	262.1	295.0	21 4.9	0.72	22 27.4	49.5	54.1
	85	19 50.4	263.2	294.7	21 8.3	0.69	22 30.8	48.2	49.6

Ringförmige Sonnenfinsternis 1921 April 7

φ	Östl. Länge von Greenwich	Anfang der Finsternis			Größte Phase		Ende der Finsternis		
		Mittl. Zeit Greenwich	P	Q	Mittl. Zeit Greenwich	Betrag	Mittl. Zeit Greenwich	P	Q
	m	h m	°	°	h m		h m	°	°
	25	19 37.9	256.6	293.3	20 51.9	0.83	22 12.1	56.9	75.1
	35	19 39.7	257.4	293.4	20 54.6	0.81	22 15.4	55.6	71.3
	45	19 41.7	258.3	293.5	20 57.3	0.79	22 18.7	54.4	67.3
51°	55	19 43.9	259.2	293.5	21 0.2	0.77	22 22.1	53.2	63.2
	65	19 46.4	260.2	293.3	21 3.3	0.75	22 25.4	51.9	59.0
	75	19 49.0	261.3	293.1	21 6.5	0.73	22 28.9	50.7	54.8
	85	19 51.9	262.4	292.7	21 9.9	0.71	22 32.2	49.5	50.5
	25	19 39.8	255.9	291.5	20 53.8	0.84	22 13.8	57.9	75.1
	35	19 41.6	256.7	291.6	20 56.4	0.82	22 17.0	56.7	71.4
	45	19 43.5	257.6	291.6	20 59.1	0.81	22 20.2	55.5	67.6
52°	55	19 45.7	258.5	291.6	21 2.0	0.79	22 23.6	54.3	63.6
	65	19 48.1	259.5	291.4	21 5.0	0.77	22 26.9	53.1	59.6
	75	19 50.6	260.5	291.2	21 8.1	0.75	22 30.3	51.9	55.5
	85	19 53.4	261.6	290.8	21 11.4	0.73	22 33.6	50.7	51.4
	25	19 41.7	255.2	289.7	20 55.7	0.86	22 15.4	58.8	75.1
	35	19 43.4	256.1	289.8	20 58.2	0.84	22 18.5	57.7	71.6
	45	19 45.3	256.9	289.8	21 0.9	0.82	22 21.7	56.5	67.9
53°	55	19 47.4	257.8	289.7	21 3.7	0.80	22 25.0	55.3	64.0
	65	19 49.8	258.8	289.5	21 6.6	0.78	22 28.3	54.2	60.2
	75	19 52.3	259.7	289.3	21 9.7	0.76	22 31.6	53.0	56.2
	85	19 55.0	260.8	288.9	21 12.9	0.74	22 34.9	51.9	52.3
	25	19 43.6	254.6	288.0	20 57.5	0.87	22 17.0	59.8	75.1
	35	19 45.3	255.4	288.0	21 0.0	0.85	22 20.0	58.6	71.7
	45	19 47.1	256.3	288.0	21 2.6	0.83	22 23.2	57.5	68.2
54°	55	19 49.2	257.1	287.9	21 5.4	0.82	22 26.4	56.4	64.5
	65	19 51.5	258.0	287.7	21 8.3	0.80	22 29.6	55.3	60.8
	75	19 53.9	259.0	287.4	21 11.3	0.78	22 32.8	54.2	57.0
	85	19 56.6	260.0	287.0	21 14.4	0.76	22 36.1	53.1	53.2
	25	19 45.5	254.0	286.3	20 59.3	0.88	22 18.5	60.7	75.2
	35	19 47.1	254.8	286.3	21 1.8	0.86	22 21.5	59.6	71.9
	45	19 49.0	255.6	286.2	21 4.3	0.85	22 24.6	58.5	68.5
55°	55	19 51.0	256.5	286.1	21 7.1	0.83	22 27.7	57.4	65.0
	65	19 53.2	257.3	285.9	21 9.9	0.81	22 30.8	56.4	61.4
	75	19 55.6	258.3	285.6	21 12.8	0.79	22 34.0	55.3	57.8
	85	19 58.2	259.3	285.2	21 15.9	0.78	22 37.2	54.2	54.2

P, *Q* } Winkelabstand vom Punkt größter { Deklination, Höhe

II. Totale Mondfinsternis 1921 April 21

Opposition in Rektaszension April 21, $19^h 32^m 10^s.0$ Mittl. Zt. Greenwich

Rektaszension des Mondes	$13^h 57^m 51^s.37$
Stündliche Änderung	2 12.90
Rektaszension der Sonne	1 57 51.37
Stündliche Änderung	9.35
Deklination des Mondes	$-11^\circ 37' 9''.6$
Stündliche Änderung	−8 43.3
Deklination der Sonne	+12 2 33.7
Stündliche Änderung	+ 50.6
Äquatorialhorizontalparallaxe des Mondes . . .	$57' 35''.7$
» der Sonne . . .	8.8
Halbmesser des Mondes	$15' 40''.9$
» der Sonne	15 54.4

Anfang der Finsternis überhaupt	April 21,	$18^h 3^m.2$	Mittl.	Zt.	Greenwich
Anfang der totalen Finsternis .	»	19 23.5	»	»	»
Mitte der Finsternis	»	19 44.4	»	»	»
Ende der totalen Finsternis . .	»	20 5.3	»	»	»
Ende der Finsternis überhaupt .	»	21 25.7	»	»	»

Der Mond steht zu Beginn und Ende der Finsternis im Zenit der Orte, deren geographische Lage ist:

$91^\circ 55'$ westliche Länge von Greenwich, $11^\circ 24'$ südliche Breite
140 48 » » » » 11 53 » »

Positionswinkel des Eintritts = 130°
» » Austritts = 259

Größe der Verfinsterung in Teilen des Monddurchmessers = 1.074

Der Beginn der Finsternis ist sichtbar in Nord- und Südamerika, im Atlantischen und Stillen Ozean. Das Ende ist sichtbar in Nord- und Südamerika, Australien, im Stillen Ozean und in Ostasien.

III. Totale Sonnenfinsternis 1921 Sept. 30 bis Okt. 1

Konjunktion in Rektaszension Oktober 1, 1h 7m 18s.4 Mittl. Zt. Greenwich

Rektaszension des Mondes	12h 28m 40s.39
Stündliche Änderung	2 19.41
Rektaszension der Sonne	12 28 40.39
Stündliche Änderung	9.06
Deklination des Mondes	−4° 4′ 52″.5
Stündliche Änderung	− 11 19.9
Deklination der Sonne	−3 5 52.4
Stündliche Änderung	− 58.3
Äquatorialhorizontalparallaxe des Mondes	60′ 2″.5
» der Sonne	8.8
Halbmesser des Mondes	16′ 20″.8
» der Sonne	15 58.8

	Mittlere Zeit Greenwich		Westl. Länge von Greenwich	Geographische Breite
Beginn der Finsternis überhaupt	Sept. 30	22h 27m.2	70° 28′	−19° 56′
Beginn der zentralen Finsternis	Okt. 1	0 0.0	96 33	−52 28
Zentrale Finsternis im wahren Mittag	» 1	1 7.3	19 23	−84 23
Ende der zentralen Finsternis	» 1	1 11.1	232 46	−86 20
Ende der Finsternis überhaupt	» 1	2 44.0	309 3	−55 22

Grenzkurven für die Sichtbarkeit der Finsternis

Südwestliche Grenze λ	Südwestliche Grenze φ	Nördliche Grenze λ	Nördliche Grenze φ	Südöstliche Grenze λ	Südöstliche Grenze φ	Mittlere Zeit Greenwich	Zentralkurve λ	Zentralkurve φ	Dauer der ringförmigen Verfinsterung
°	°	°	°	°	°	h m	°	°	m s
							96.5	−52.5	
260.0	−85.6	77.3	− 5.8	303.2	−41.2	0 5	80.9	−54.8	1 34
172.7	−86.0	48.6	−10.6	299.8	−41.9	10	74.9	−56.6	1 41
140.9	−81.3	36.1	−15.4	297.1	−43.4	15	70.4	−58.3	1 45
124.0	−70.8	31.7	−17.6	294.4	−45.8	20	66.5	−60.1	1 48
115.4	−59.8	27.9	−19.7	291.5	−48.9	25	63.1	−62.0	1 50
108.5	−48.4	24.4	−21.7	288.5	−52.7	30	59.8	−63.8	1 52
102.4	−36.8	18.0	−25.5	285.3	−57.0	35	56.6	−65.8	1 52
96.5	−25.9	11.8	−29.0	281.7	−62.0	40	53.4	−67.9	1 52
91.0	−16.7	5.1	−32.3	277.6	−67.3	45	50.1	−70.1	1 50
85.6	−10.0	357.4	−35.4	272.5	−72.9	50	46.4	−72.5	1 48
83.0	− 7.8	347.3	−38.2	264.6	−78.5	55	42.1	−75.3	1 45
80.4	− 6.3	331.8	−40.7	247.2	−83.9	1 0	36.5	−78.3	1 41
77.3	− 5.8	303.2	−41.2	174.4	−86.9	5	27.5	−82.1	1 35
							232.8	−86.3	

Die Finsternis beginnt westlich von Südamerika, geht über Peru und den südlichen Teil von Brasilien nach dem Atlantischen Ozean, geht südlich des Kap der guten Hoffnung vorbei und ist bis zum Südpol sichtbar.

Elemente der totalen Sonnenfinsternis 1921 Sept. 30 bis Okt. 1

Mittl. Zeit Greenwich	x	y	log sin d	log cos d	μ	$l^{(a)}$	$l^{(i)}$
$22^h\ 20^m$	−1.51327	−0.50129	8.72618_n	9.99938	337° 32.4'	+0.53941	−0.00648
30	1.42284	0.53023	8.72656_n	9.99938	340 2.4	0.53943	0.00645
40	1.33240	0.55917	8.72693_n	9.99938	342 32.5	0.53946	0.00643
50	1.24197	0.58811	8.72730_n	9.99938	345 2.5	0.53948	0.00641
23 0	−1.15153	−0.61704	8.72768_n	9.99938	347 32.6	+0.53950	−0.00639
10	1.06109	0.64597	8.72805_n	9.99938	350 2.6	0.53952	0.00636
20	0.97064	0.67490	8.72842_n	9.99938	352 32.7	0.53954	0.00634
30	0.88019	0.70382	8.72879_n	9.99938	355 2.7	0.53956	0.00632
40	0.78974	0.73274	8.72916_n	9.99938	357 32.7	0.53958	0.00630
50	0.69929	0.76166	8.72953_n	9.99937	0 2.8	0.53960	0.00628
0 0	−0.60884	−0.79057	8.72991_n	9.99937	2 32.8	+0.53962	−0.00626
10	0.51838	0.81948	8.73028_n	9.99937	5 2.9	0.53964	0.00625
20	0.42793	0.84838	8.73065_n	9.99937	7 32.9	0.53966	0.00623
30	0.33747	0.87728	8.73102_n	9.99937	10 3.0	0.53967	0.00621
40	0.24701	0.90618	8.73138_n	9.99937	12 33.0	0.53969	0.00620
50	0.15656	0.93507	8.73175_n	9.99937	15 3.1	0.53970	0.00618
1 0	−0.06610	−0.96396	8.73212_n	9.99937	17 33.1	+0.53972	−0.00617
10	+0.02436	0.99284	8.73249_n	9.99937	20 3.2	0.53973	0.00615
20	0.11482	1.02172	8.73286_n	9.99936	22 33.2	0.53975	0.00614
30	0.20527	1.05059	8.73323_n	9.99936	25 3.3	0.53976	0.00613
40	0.29573	1.07946	8.73360_n	9.99936	27 33.3	0.53977	0.00612
50	0.38618	1.10833	8.73396_n	9.99936	30 3.3	0.53978	0.00611
2 0	+0.47664	−1.13719	8.73433_n	9.99936	32 33.4	+0.53979	−0.00610
10	0.56709	1.16605	8.73470_n	9.99936	35 3.4	0.53980	0.00609
20	0.65754	1.19490	8.73506_n	9.99936	37 33.5	0.53981	0.00608
30	0.74799	1.22375	8.73543_n	9.99936	40 3.5	0.53982	0.00607
40	0.83844	1.25259	8.73579_n	9.99936	42 33.6	0.53983	0.00606
50	0.92888	1.28143	8.73616_n	9.99936	45 3.6	0.53983	0.00605

Mittl. Zeit Greenwich	x'	y'	log tang $f^{(a)}$	log tang $f^{(i)}$
$22^h\ 0^m$	+0.009043	+0.002895	7.66946	7.66729
23 0	9044	2893	7.66946	7.66729
0 0	9045	2891	7.66947	7.66730
1 0	9046	2889	7.66947	7.66730
2 0	9045	2886	7.66948	7.66731
3 0	9044	2884	7.66948	7.66731

IV. Partielle Mondfinsternis 1921 Oktober 16

Opposition in Rektaszension Okt. 16, $10^h 37^m 37^s.6$ Mittl. Zt. Greenwich

Rektaszension des Mondes	$1^h 25^m 11^s.49$
Stündliche Änderung	2 3.10
Rektaszension der Sonne	13 25 11.49
Stündliche Änderung	9.33
Deklination des Mondes	$+8° 28' 38''.3$
Stündliche Änderung	+ 9 0.8
Deklination der Sonne	−8 57 8.4
Stündliche Änderung	− 55.2
Äquatorialhorizontalparallaxe des Mondes . . .	$55' 53''.1$
» der Sonne . . .	8.8
Halbmesser des Mondes	$15' 12''.9$
» der Sonne	16 3.1

Anfang der Finsternis überhaupt	Okt. 16,	$9^h 14^m.0$	Mittl. Zt. Greenwich
Mitte der Finsternis	»	10 53.8	» » »
Ende der Finsternis überhaupt	»	12 33.6	» » »

Der Mond steht zu Beginn und Ende der Finsternis im Zenit der Orte, deren geographische Lage ist:

322° 46′ westliche Länge von Greenwich,	8° 16′ nördliche Breite
11 5 » » » »	8 46 » »

Positionswinkel des Eintritts = 45°
» » Austritts = 283

Größe der Verfinsterung in Teilen des Monddurchmessers = 0.938

Der Beginn der Finsternis ist sichtbar in Asien mit Ausnahme des östlichen Teiles, Europa, Afrika, im östlichen Teil von Südamerika, im Indischen und Atlantischen Ozean. Das Ende der Finsternis ist sichtbar im westlichen Teile von Asien, in Europa, Afrika, Südamerika, Nordamerika mit Ausnahme des westlichen Teiles, im Atlantischen Ozean und im westlichen Teile des Indischen Ozeans.

I. Verzeichnis von Fixsternen, welche in Mitteleuropa vom Monde bedeckt werden

Nr.	Name	Gr.	$\alpha_{1921.0}$	$\delta_{1921.0}$	Nr.	Name	Gr.	$\alpha_{1921.0}$	$\delta_{1921.0}$
			h m s	° '				h m s	° '
43	Piscium	5.9	0 44 14	+ 4 52.5	560	Cancri	6.1	8 6 33	+14 51.8
54	Piscium	6.3	0 55 44	+ 6 3.4	574	Cancri	5.8	8 22 22	+12 55.0
72	ζ Piscium	5.6	1 9 36	+ 7 9.5	581	Cancri	6.4	8 29 23	+13 31.7
74	Piscium	6.2	1 10 36	+ 6 34.7	600	A^1 Cancri	5.5	8 38 51	+12 57.9
85	Piscium	6.4	1 24 14	+ 7 33.1	604	A^2 Cancri	5.7	8 42 36	+12 24.0
105	o Piscium	4.5	1 41 13	+ 8 45.6	611	Cancri	5.7	8 51 37	+11 55.7
112	Ceti	6.0	1 46 40	+10 39.2	614	α Cancri	4.3	8 54 10	+12 9.9
153	Arietis	5.7	2 32 19	+12 6.3	625	κ Cancri	5.1	9 3 28	+10 59.2
163	Arietis	5.2	2 40 39	+12 6.8	640	ω Leonis	5.5	9 24 14	+ 9 24.1
181	Arietis	6.5	3 0 17	+15 33.0	645	*h* Leonis	5.2	9 27 44	+10 3.9
208	Tauri	6.4	3 33 22	+15 10.3	675	Sextantis	6.3	10 2 40	+ 5 59.9
211	Tauri	6.3	3 34 57	+16 16.8	690	Leonis	6.5	10 19 8	+ 6 5.7
235	Tauri	5.9	3 48 39	+17 5.6	731	p^5 Leonis	5.3	11 9 43	+ 0 21.6
240	Tauri	6.3	3 56 6	+17 4.5	737	Leonis	6.0	11 14 52	+ 2 5.0
252	Tauri	6.1	4 3 28	+17 7.8	741	Leonis	6.3	11 19 15	+ 0 34.0
258	Tauri	6.2	4 7 59	+17 4.5	756	υ Leonis	4.5	11 32 54	− 0 23.2
277	δ Tauri	3.9	4 18 23	+17 21.5	804	Virginis	6.2	12 23 48	− 4 10.7
280	Tauri	5.7	4 18 53	+16 35.6	809	Virginis	6.3	12 27 35	− 4 37.0
282	Tauri	4.9	4 19 32	+17 15.7	812	*f* Virginis	6.0	12 32 43	− 5 23.8
286	Tauri	4.3	4 20 55	+17 44.9	839	*g* Virginis	5.6	13 4 25	− 8 33.7
308	Tauri	6.2	4 28 58	+17 51.1	854	α Virginis (Spica)	1.2	13 21 2	−10 45.0
323	Tauri	6.1	4 41 40	+18 35.6	863	*h* Virginis	5.4	13 28 48	− 9 45.5
331	Tauri	5.7	4 52 48	+17 1.9	916	λ Virginis	4.6	14 14 50	−13 0.5
342	*m* Tauri	5.0	5 2 47	+18 32.4	938	Librae	5.3	14 46 19	−15 40.2
363	Tauri	5.1	5 19 49	+17 18.7	939	α Librae	2.9	14 46 30	−15 42.9
366	Tauri	5.3	5 22 34	+17 53.7	952	ν Librae	5.3	15 2 13	−15 57.1
374	Tauri	4.9	5 27 35	+18 32.2	953	Librae	6.5	15 2 24	−16 10.8
376	Tauri	5.6	5 28 54	+18 29.1	963	Librae	6.3	15 10 6	−17 28.5
393	Tauri	5.6	5 42 50	+17 42.0	973	Librae	5.9	15 23 48	−16 26.5
426	Geminorum	6.2	6 8 55	+18 42.1	976	Librae	6.0	15 26 13	−16 20.4
427	Orionis	5.7	6 9 52	+17 55.8	981	ζ Librae	5.6	15 28 27	−16 35.2
433	B. D. +17° 1191	6.5	6 11 48	+17 12.5	1036	Scorpii	6.4	16 5 22	−18 7.9
437	Orionis	6.2	6 14 26	+17 21.4	1044	Scorpii	6.4	16 10 5	−18 20.0
441	Orionis	6.5	6 16 49	+17 48.1	1060	χ Ophiuchi	4.9	16 22 27	−18 16.7
467	Geminorum	5.2	6 37 48	+17 43.4	1074	Scorpii	5.5	16 37 15	−19 46.4
484	Geminorum	6.0	6 58 0	+16 47.4	1086	Ophiuchi	5.9	16 48 45	−20 17.1
497	Geminorum	5.3	7 8 50	+16 17.7	1092	Ophiuchi	6.1	16 52 25	−19 25.0
503	λ Geminorum	3.6	7 13 33	+16 41.0	1181	Sagittarii	6.3	18 6 34	−19 51.5
520	Geminorum	5.2	7 29 6	+15 59.8	1201	*y* Sagittarii (var.)	5.4	18 16 44	−18 53.8
557	Cancri	6.2	8 4 18	+13 52.3	1212	Sagittarii	5.7	18 25 33	−18 46.8

I. Verzeichnis von Fixsternen, welche in Mitteleuropa vom Monde bedeckt werden

Nr.	Name	Gr.	$\alpha_{1921.0}$	$\delta_{1921.0}$	Nr.	Name	Gr.	$\alpha_{1921.0}$	$\delta_{1921.0}$
			h m s	° ′				h m s	° ′
1266	Sagittarii	6.4	19 2 31	−18 51.7	1489	θ Aquarii	4.3	22 12 40	−8 10.6
1285	ρ Sagittarii	4.0	19 17 6	−17 59.8	1495	Aquarii	6.0	22 19 24	−7 35.6
1349	Capricorni	6.2	20 16 20	−15 2.1	1504	Aquarii	6.1	22 27 10	−6 57.5
1350	β Capricorni	3.2	20 16 34	−15 1.9	1571	Piscium	6.4	23 27 54	−1 31.3
1364	Capricorni	6.2	20 26 39	−15 19.3	1575	Piscium	5.9	23 30 5	−1 41.0
1443	Capricorni	6.2	21 35 13	−10 56.0	1589	Piscium	5.6	23 45 25	+0 38.2
1452	c^1 Capricorni	5.3	21 40 48	− 9 26.7	1594	Piscium	6.0	23 50 44	−0 19.8
1453	c^2 Capricorni	6.3	21 42 3	− 9 38.5					

Die angegebenen Nummern beziehen sich auf den Catalogue of Zodiacal Stars by H. B. Hedrick (in Astronomical Papers of the American Ephemeris, Vol. VIII, Part III)

II. Konjunktionszeiten der in Mitteleuropa sichtbaren Sternbedeckungen

Nr.	Größe	Konjunktion in Rektaszension (Mittl. Zeit Greenw.)		Nr.	Größe	Konjunktion in Rektaszension (Mittl. Zeit Greenw.)		Nr.	Größe	Konjunktion in Rektaszension (Mittl. Zeit Greenw.)	
			h m				h m				h m
854	1.2	Jan. 1	14 57.8	1074	5.5	Febr. 1	18 49.1	441	6.5	März 17	5 24.9
963	6.3	3	19 24.1	1266	6.4	4	16 28.2	467	5.2	17	13 52.8
1086	5.9	5	18 17.9	54	6.3	12	3 47.7	520	5.2	18	10 36.5
181	6.5	18	7 18.5	112	6.0	13	4 22.1	574	5.8	19	8 20.7
235	5.9	19	3 29.5	211	6.3	15	5 1.3	581	6.4	19	11 13.9
240	6.3	19	6 31.0	235	5.9	15	10 50.3	600	5.5	19	15 8.8
252	6.1	19	9 29.4	323	6.1	16	8 47.2	640	5.5	20	10 4.5
342	5.0	20	8 48.6	467	5.2	18	6 45.3	741	6.3	22	11 33.9
426	6.2	21	9 58.4	484	6.0	18	14 37.5	839	5.6	24	10 14.6
427	5.7	21	10 19.8	600	5.5	20	6 19.4	952	5.3	26	15 12.5
441	6.5	21	12 57.2	604	5.7	20	7 49.5	953	6.5	26	15 17.6
484	6.0	22	4 28.2	611	5.7	20	11 26.5	1212	5.7	30	13 8.4
503	3.6	22	10 21.2	614	4.3	20	12 28.2	1285	4.0	31	14 5.1
520	5.2	22	16 15.4	625	5.1	20	16 13.5	1452	5.3	April 3	14 31.2
560	6.1	23	6 37.3	756	4.5	23	7 9.3	1453	6.3	3	15 10.2
581	6.4	23	15 30.8	211	6.3	März 14	10 26.0	258	6.2	11	6 11.5
625	5.1	24	5 1.9	277	3.9	15	4 53.8	427	5.7	13	7 59.1
640	5.5	24	13 25.3	282	4.9	15	5 23.1	441	6.5	13	10 48.3
731	5.3	26	10 9.3	286	4.3	15	5 57.7	497	5.3	14	7 58.6
741	6.3	26	14 22.3	308	6.2	15	9 19.9	503	3.6	14	9 54.6
839	5.6	28	14 21.1	366	5.3	16	7 25.1	557	6.2	15	6 53.2
938	5.3	30	14 18.0	374	4.9	16	9 27.9	625	5.1	16	7 55.0
939	2.9	30	14 23.4	376	5.6	16	10 0.1	675	6.3	17	9 37.9

II. Konjunktionszeiten der in Mitteleuropa sichtbaren Sternbedeckungen

Nr.	Größe	Konjunktion in Rektaszension (Mittl. Zeit Greenw.)	h m	Nr.	Größe	Konjunktion in Rektaszension (Mittl. Zeit Greenw.)	h m	Nr.	Größe	Konjunktion in Rektaszension (Mittl. Zeit Greenw.)	h m
1589	5.6	Mai 3	14 50.7	1349	6.2	Sept. 12	13 5.4	74	6.2	Nov. 12	11 48.6
484	6.0	11	9 23.2	1350	3.2	12	13 12.5	208	6.4	15	5 40.8
611	5.7	13	8 11.6	1443	6.2	14	5 20.3	331	5.7	16	15 14.1
756	4.5	16	8 1.8	1453	6.3	14	8 52.8	393	5.6	17	11 43.9
916	4.6	19	10 51.5	1504	6.1	15	8 24.1	467	5.2	18	10 4.1
952	5.3	20	8 29.7	1571	6.4	16	16 11.2	484	6.0	18	18 17.1
953	6.5	20	8 34.9	43	5.9	18	7 31.1	520	5.2	19	7 0.7
1036	6.4	21	13 9.3	54	6.3	18	13 19.5	581	6.4	20	8 3.3
1044	6.4	21	15 17.7	105	4.5	19	11 53.6	600	5.5	20	12 3.0
1092	6.1	22	10 31.6	153	5.7	20	12 22.7	604	5.7	20	13 38.2
1349	6.2	26	11 22.6	208	6.4	21	16 22.5	611	5.7	20	17 27.5
1350	3.2	26	11 29.7	280	5.7	22	12 26.1	614	4.3	20	18 32.7
1571	6.4	30	14 32.4	282	4.9	22	12 43.2	756	4.5	23	16 25.1
600	5.5	Juni 9	9 21.1	366	5.3	23	15 33.2	804	6.2	24	15 24.9
741	6.3	12	7 3.6	427	5.7	24	11 11.6	809	6.3	24	17 7.3
839	5.6	14	7 51.8	433	6.5	24	11 59.6	916	4.6	26	17 14.7
1285	4.0	21	13 16.1	437	6.2	24	13 4.6	1201	5.4	Dez. 1	4 7.3
1453	6.3	24	14 21.1	441	6.5	24	14 3.5	1443	6.2	5	4 30.6
43	5.9	28	13 16.1	497	5.3	25	11 21.6	1495	6.0	6	3 39.0
277	3.9	Juli 2	13 20.2	503	3.6	25	13 17.1	1504	6.1	6	7 45.3
282	4.9	2	13 48.3	973	5.9	Okt. 4	4 59.0	1594	6.0	8	3 58.7
286	4.3	2	14 21.4	976	6.0	4	6 2.3	43	5.9	9	7 39.8
981	5.6	14	8 17.9	1060	4.9	5	6 45.4	85	6.4	10	3 40.3
1181	6.3	17	9 50.6	1443	6.2	11	12 32.6	105	4.5	10	11 57.2
1489	4.3	22	12 37.2	1489	4.3	12	8 2.8	153	5.7	11	12 1.7
74	6.2	26	9 22.1	1495	6.0	12	11 33.9	163	5.2	11	15 50.1
812	6.0	Aug. 7	6 32.4	43	5.9	15	14 24.5	208	6.4	12	15 10.6
863	5.4	8	7 40.5	85	6.4	16	10 11.7	280	5.7	13	10 26.1
1036	6.4	11	7 10.8	280	5.7	19	17 59.1	282	4.9	13	10 42.5
1044	6.4	11	9 21.4	331	5.7	20	8 26.8	363	5.1	14	11 14.7
1349	6.2	16	6 43.2	427	5.7	21	16 39.2	366	5.3	14	12 20.7
1350	3.2	16	6 50.3	433	6.5	21	17 27.6	427	5.7	15	7 7.8
1364	6.2	16	11 53.8	484	6.0	22	12 35.6	437	6.2	15	8 56.1
1571	6.4	20	10 6.1	497	5.3	22	17 5.3	441	6.5	15	9 52.6
1575	5.9	20	11 15.0	557	6.2	23	16 11.9	467	5.2	15	18 9.4
54	6.3	22	7 38.4	611	5.7	24	12 9.2	497	5.3	16	6 24.8
72	5.6	22	14 38.9	614	4.3	24	13 14.3	503	3.6	16	8 17.0
74	6.2	22	15 8.9	625	5.1	24	17 11.8	520	5.2	16	14 27.3
208	6.4	25	10 47.6	1349	6.2	Nov. 6	4 18.4	581	6.4	17	14 42.8
467	5.2	28	15 22.7	1350	3.2	6	4 25.4	600	5.5	17	18 35.4
600	5.5	30	15 13.9	1571	6.4	10	7 33.3	645	5.2	18	14 54.6
1212	5.7	Sept. 10	7 3.3	1575	5.9	10	8 41.7	690	6.5	19	12 55.9
1285	4.0	11	7 49.0	54	6.3	12	4 27.9	737	6.0	20	13 30.5

Verfinsterungen: E. Eintritte, A. Austritte

TRABANT I

		h	m	
Jan.	1	1	0.5	E.
	2	19	28.7	E.
	4	13	57.0	E.
	6	8	25.2	E.
	8	2	53.4	E.
	9	21	21.7	E.
	11	15	49.9	E.
	13	10	18.2	E.
	15	4	46.4	E.
	16	23	14.7	E.
	18	17	43.0	E.
	20	12	11.2	E.
	22	6	39.5	E.
	24	1	7.8	E.
	25	19	36.1	E.
	27	14	4.4	E.
	29	8	32.7	E.
	31	3	1.0	E.
Febr.	1	21	29.3	E.
	3	15	57.7	E.
	5	10	26.0	E.
	7	4	54.3	E.
	8	23	22.7	E.
	10	17	51.0	E.
	12	12	19.4	E.
	14	6	47.8	E.
	16	1	16.2	E.
	17	19	44.6	E.
	19	14	13.0	E.
	21	8	41.4	E.
	23	3	9.8	E.
	24	21	38.2	E.
	26	16	6.7	E.
	28	10	35.1	E.
März	2	5	3.6	E.
	3	23	32.1	E.
	5	20	16.8	A.
	7	14	45.3	A.
	9	9	13.8	A.
	11	3	42.3	A.
	12	22	10.8	A.
	14	16	39.3	A.
	16	11	7.9	A.
	18	5	36.4	A.
	20	0	5.0	A.
	21	18	33.5	A.
	23	13	2.2	A.
	25	7	30.7	A.

TRABANT I

		h	m	
März	27	1	59.3	A.
	28	20	27.9	A.
	30	14	56.6	A.
April	1	9	25.2	A.
	3	3	53.8	A.
	4	22	22.4	A.
	6	16	51.1	A.
	8	11	19.8	A.
	10	5	48.5	A.
	12	0	17.1	A.
	13	18	45.8	A.
	15	13	14.5	A.
	17	7	43.2	A.
	19	2	11.9	A.
	20	20	40.6	A.
	22	15	9.3	A.
	24	9	38.1	A.
	26	4	6.7	A.
	27	22	35.5	A.
	29	17	4.2	A.
Mai	1	11	33.0	A.
	3	6	1.7	A.
	5	0	30.5	A.
	6	18	59.2	A.
	8	13	28.0	A.
	10	7	56.7	A.
	12	2	25.6	A.
	13	20	54.3	A.
	15	15	23.1	A.
	17	9	51.8	A.
	19	4	20.7	A.
	20	22	49.4	A.
	22	17	18.3	A.
	24	11	47.0	A.
	26	6	15.9	A.
	28	0	44.6	A.
	29	19	13.5	A.
	31	13	42.2	A.
Juni	2	8	11.1	A.
	4	2	39.8	A.
	5	21	8.7	A.
	7	15	37.4	A.
	9	10	6.3	A.
	11	4	35.0	A.
	12	23	3.9	A.
	14	17	32.6	A.
	16	12	1.5	A.
	18	6	30.2	A.

TRABANT I

		h	m	
Juni	20	0	59.1	A.
	21	19	27.8	A.
	23	13	56.7	A.
	25	8	25.4	A.
	27	2	54.3	A.
	28	21	23.0	A.
	30	15	51.9	A.
Juli	2	10	20.6	A.
	4	4	49.5	A.
	5	23	18.2	A.
	7	17	47.0	A.
	9	12	15.8	A.
	11	6	44.6	A.
	13	1	13.3	A.
	14	19	42.2	A.
	16	14	10.9	A.
	18	8	39.7	A.
	20	3	8.4	A.
	21	21	37.2	A.
	23	16	5.9	A.
	25	10	34.7	A.
	27	5	3.4	A.
	28	23	32.2	A.
	30	18	0.9	A.
Aug.	1	12	29.7	A.
	3	6	58.3	A.
	5	1	27.1	A.
	6	19	55.7	A.
	8	14	24.5	A.
	10	8	53.2	A.
	12	3	21.9	A.
	13	21	50.6	A.
	15	16	19.3	A.
	17	10	47.9	A.
	19	5	16.7	A.
	20	23	45.3	A.
	22	18	14.1	A.
	24	12	42.6	A.
	26	7	11.3	A.
Okt.	18	7	13.4	E.
	20	1	41.8	E.
	21	20	10.3	E.
	23	14	38.7	E.
	25	9	7.2	E.
	27	3	35.6	E.
	28	22	4.0	E.
	30	16	32.4	E.

TRABANT I

		h	m	
Nov.	1	11	0.9	E.
	3	5	29.2	E.
	4	23	57.6	E.
	6	18	26.0	E.
	8	12	54.4	E.
	10	7	22.8	E.
	12	1	51.2	E.
	13	20	19.5	E.
	15	14	47.9	E.
	17	9	16.2	E.
	19	3	44.6	E.
	20	22	12.9	E.
	22	16	41.3	E.
	24	11	9.6	E.
	26	5	37.9	E.
	28	0	6.2	E.
	29	18	34.6	E.
Dez.	1	13	2.8	E.
	3	7	31.2	E.
	5	1	59.4	E.
	6	20	27.7	E.
	8	14	56.0	E.
	10	9	24.3	E.
	12	3	52.5	E.
	13	22	20.8	E.
	15	16	49.1	E.
	17	11	17.3	E.
	19	5	45.6	E.
	21	0	13.8	E.
	22	18	42.1	E.
	24	13	10.3	E.
	26	7	38.6	E.
	28	2	6.8	E.
	29	20	35.0	E.
	31	15	3.3	E.

TRABANT II

		h	m	
Jan.	1	2	34.6	E.
	4	15	53.0	E.
	8	5	10.5	E.
	11	18	28.9	E.
	15	7	46.5	E.
	18	21	4.9	E.
	22	10	22.4	E.
	25	23	40.8	E.
	29	12	58.3	E.
Febr.	2	2	16.7	E.
	5	15	34.3	E.

Verfinsterungen: E. Eintritte, A. Austritte

TRABANT II

		h	m	
Febr.	9	4	52.6	E.
	12	18	10.2	E.
	16	7	28.5	E.
	19	20	46.1	E.
	23	10	4.4	E.
	26	23	22.1	E.
März	2	12	40.3	E.
	6	4	49.3	A.
	9	18	7.3	A.
	13	7	24.8	A.
	16	20	42.8	A.
	20	10	0.3	A.
	23	23	18.3	A.
	27	12	35.8	A.
	31	1	53.7	A.
April	3	15	11.3	A.
	7	4	29.1	A.
	10	17	46.6	A.
	14	7	4.4	A.
	17	20	21.9	A.
	21	9	39.6	A.
	24	22	57.2	A.
	28	12	14.8	A.
Mai	2	1	32.3	A.
	5	14	49.9	A.
	9	4	7.3	A.
	12	17	24.8	A.
	16	6	42.3	A.
	19	19	59.7	A.
	23	9	17.1	A.
	26	22	34.5	A.
	30	11	51.9	A.
Juni	3	1	9.2	A.
	6	14	26.5	A.
	10	3	43.7	A.
	13	17	1.0	A.
	17	6	18.2	A.
	20	19	35.5	A.
	24	8	52.6	A.
	27	22	9.8	A.
Juli	1	11	26.9	A.
	5	0	44.0	A.
	8	14	1.1	A.
	12	3	18.2	A.
	15	16	35.3	A.
	19	5	52.3	A.
	22	19	9.3	A.
	26	8	26.4	A.

TRABANT II

		h	m	
Juli	29	21	43.4	A.
Aug.	2	11	0.4	A.
	6	0	17.3	A.
	9	13	34.3	A.
	13	2	51.3	A.
	16	16	8.2	A.
	20	5	25.2	A.
	23	18	42.1	A.
	27	7	59.0	A.
Okt.	19	12	31.1	E.
	23	1	48.2	E.
	26	15	5.4	E.
	30	4	22.5	E.
Nov.	2	17	39.8	E.
	6	6	56.9	E.
	9	20	14.4	E.
	13	9	31.5	E.
	16	22	48.9	E.
	20	12	6.1	E.
	24	1	23.6	E.
	27	14	40.7	E.
Dez.	1	3	58.4	E.
	4	17	15.6	E.
	8	6	33.3	E.
	11	19	50.5	E.
	15	9	8.2	E.
	18	22	25.5	E.
	22	11	43.3	E.
	26	1	0.6	E.
	29	14	18.6	E.

TRABANT III

		h	m	
Jan.	6	14	48.9	E.
	6	18	12.0	A.
	13	18	47.1	E.
	13	22	9.4	A.
	20	22	44.6	E.
	21	2	6.2	A.
	28	2	41.9	E.
Febr.	4	6	39.6	E.
	11	10	37.4	E.
	18	14	36.3	E.
	25	18	34.8	E.
März	4	22	33.8	E.
	12	5	48.7	A.
	19	9	46.2	A.

TRABANT III

		h	m	
März	26	13	44.0	A.
April	2	17	42.1	A.
	9	18	28.1	E.
	9	21	41.2	A.
	16	22	27.6	E.
	17	1	39.9	A.
	24	2	27.5	E.
	24	5	38.9	A.
Mai	1	6	26.8	E.
	1	9	37.3	A.
	8	10	26.0	E.
	8	13	35.5	A.
	15	14	25.3	E.
	15	17	34.0	A.
	22	18	24.8	E.
	22	21	32.7	A.
	29	22	25.2	E.
	30	1	32.2	A.
Juni	6	2	25.2	E.
	6	5	31.2	A.
	13	6	25.3	E.
	13	9	30.4	A.
	20	10	24.8	E.
	20	13	29.0	A.
	27	14	24.2	E.
	27	17	27.3	A.
Juli	4	18	23.6	E.
	4	21	25.8	A.
	11	22	23.1	E.
	12	1	24.4	A.
	19	2	23.4	E.
	19	5	23.7	A.
	26	6	23.2	E.
	26	9	22.5	A.
Aug.	2	10	23.1	E.
	2	13	21.4	A.
	9	17	19.5	A.
	16	21	17.4	A.
	24	1	15.3	A.
Okt.	20	6	10.3	E.
	27	10	9.2	E.
Nov.	3	14	7.6	E.
	10	18	6.0	E.
	10	20	49.7	A.
	17	22	3.8	E.
	18	0	46.4	A.

TRABANT III

		h	m	
Nov.	25	2	1.1	E.
	25	4	42.6	A.
Dez.	2	5	58.7	E.
	2	8	39.2	A.
	9	9	56.3	E.
	9	12	35.7	A.
	16	13	54.7	E.
	16	16	33.1	A.
	23	17	52.5	E.
	23	20	29.7	A.
	30	21	50.3	E.
	31	0	26.4	A.

TRABANT IV

		h	m	
Jan.	3	10	6.0	E.
	3	14	25.0	A.
	20	4	5.2	E.
	20	8	19.4	A.
Febr.	5	22	5.7	E.
	6	2	14.4	A.
	22	16	5.9	E.
März	11	14	4.5	A.
	28	4	9.7	E.
	28	8	0.7	A.
April	13	22	12.6	E.
	14	1	56.7	A.
	30	16	15.9	E.
	30	19	52.8	A.
Mai	17	10	20.4	E.
	17	13	49.6	A.
Juni	3	4	24.4	E.
	3	7	45.4	A.
	19	22	28.7	E.
	20	1	40.8	A.
Juli	6	16	33.5	E.
	6	19	36.4	A.
	23	10	37.8	E.
	23	13	30.6	A.
Aug.	9	4	42.0	E.
	9	7	24.0	A.
	25	22	46.9	E.
	26	1	17.1	A.
Okt.	31	23	7.0	E.
Nov.	1	0	34.0	A.
	17	17	15.6	E.
	17	18	16.9	A.

Mittlere Zeit Greenwich	α	β	p_a	a	b	U'	B'	P'
1921	″	″	″	″	″	°	°	°
Jan. −1.5	18.25	16.35	−0.05	41.11	+0.81	1.444	−1.568	−28.099
+2.5	18.38	16.47	0.05	41.41	0.82	1.568	1.506	28.098
6.5	18.50	16.58	0.04	41.70	0.80	1.690	1.444	28.096
10.5	18.63	16.69	0.04	41.99	0.77	1.813	1.382	28.094
14.5	18.75	16.80	0.04	42.27	0.74	1.936	1.320	28.092
18.5	18.87	16.91	−0.03	42.53	+0.70	2.059	−1.258	−28.090
22.5	18.98	17.01	0.03	42.79	0.66	2.181	1.196	28.088
26.5	19.09	17.11	0.03	43.04	0.60	2.304	1.134	28.086
30.5	19.20	17.20	0.03	43.27	0.53	2.427	1.072	28.083
Febr. 3.5	19.30	17.28	0.02	43.49	0.45	2.550	1.010	28.080
7.5	19.39	17.36	−0.02	43.68	+0.37	2.672	−0.948	−28.077
11.5	19.47	17.43	0.02	43.86	0.28	2.795	0.886	28.074
15.5	19.54	17.49	0.02	44.03	0.18	2.918	0.824	28.071
19.5	19.60	17.55	0.01	44.17	+0.08	3.041	0.762	28.068
23.5	19.65	17.60	0.01	44.29	−0.03	3.163	0.701	28.064
27.5	19.69	17.63	−0.01	44.38	−0.15	3.286	−0.639	−28.060
März 3.5	19.72	17.66	0.01	44.44	0.27	3.408	0.577	28.056
7.5	19.74	17.68	0.00	44.48	0.39	3.531	0.515	28.052
11.5	19.75	17.69	0.00	44.50	0.50	3.653	0.454	28.048
☍ 15.5	19.74	17.68	0.00	44.49	0.62	3.776	0.392	28.044
19.5	19.73	17.66	+0.00	44.45	−0.73	3.898	−0.330	−28.040
23.5	19.70	17.64	0.01	44.39	0.84	4.020	0.268	28.036
27.5	19.66	17.61	0.01	44.31	0.95	4.142	0.207	28.031
31.5	19.61	17.56	0.01	44.19	1.05	4.264	0.145	28.026
April 4.5	19.55	17.51	0.01	44.05	1.15	4.386	0.083	28.021
8.5	19.48	17.45	+0.02	43.89	−1.23	4.508	−0.021	−28.016
12.5	19.41	17.39	0.02	43.72	1.31	4.630	+0.040	28.011
16.5	19.32	17.31	0.02	43.52	1.38	4.753	0.102	28.006
20.5	19.23	17.22	0.02	43.31	1.44	4.875	0.163	28.000
24.5	19.13	17.13	0.03	43.09	1.49	4.997	0.225	27.995
28.5	19.02	17.04	+0.03	42.85	−1.53	5.119	+0.286	−27.989
Mai 2.5	18.91	16.93	0.03	42.60	1.56	5.242	0.348	27.983
6.5	18.79	16.82	0.03	42.33	1.58	5.364	0.409	27.977
10.5	18.67	16.72	0.04	42.06	1.59	5.486	0.471	27.971
14.5	18.55	16.62	0.04	41.78	1.59	5.608	0.532	27.964
18.5	18.43	16.51	+0.04	41.50	−1.58	5.730	+0.594	−27.958
22.5	18.30	16.39	0.05	41.21	1.56	5.852	0.655	27.951
26.5	18.17	16.28	0.05	40.93	1.53	5.974	0.716	27.944
30.5	18.04	16.16	0.05	40.64	1.50	6.095	0.777	27.937
Juni 3.5	17.92	16.05	0.05	40.36	1.46	6.217	0.839	27.930
7.5	17.79	15.94	+0.05	40.07	−1.41	6.339	+0.900	−27.923
11.5	17.67	15.83	0.05	39.78	1.35	6.461	0.961	27.916
15.5	17.54	15.72	0.05	39.50	1.28	6.582	1.022	27.909
19.5	17.43	15.61	0.05	39.23	1.20	6.704	1.084	27.902
23.5	17.31	15.50	0.05	38.96	1.12	6.826	1.145	27.894
27.5	17.20	15.40	+0.04	38.70	−1.03	6.948	+1.206	−27.887
Juli 1.5	17.08	15.29	0.04	38.45	0.93	7.069	1.267	27.879

Mittlere Zeit Greenwich		α	β	p_a	a	b	U'	B'	P'
1921									
Juli	1.5	17.08″	15.29″	+0.04″	38.45″	−0.93″	7.069°	+1.267°	−27.879°
	5.5	16.98	15.19	0.04	38.20	0.83	7.191	1.329	27.871
	9.5	16.88	15.10	0.04	37.97	0.72	7.312	1.390	27.863
	13.5	16.78	15.01	0.03	37.75	0.62	7.434	1.451	27.855
	17.5	16.68	14.93	0.03	37.54	0.51	7.555	1.512	27.847
	21.5	16.59	14.85	+0.03	37.33	−0.39	7.677	+1.573	−27.839
	25.5	16.50	14.78	0.03	37.14	0.27	7.798	1.634	27.830
	29.5	16.43	14.71	0.02	36.97	0.15	7.920	1.695	27.821
Aug.	2.5	16.35	14.64	0.02	36.81	−0.02	8.041	1.756	27.812
	6.5	16.28	14.58	0.02	36.65	+0.11	8.163	1.817	27.803
	10.5	16.21	14.52	+0.02	36.51	+0.24	8.284	+1.878	−27.794
	14.5	16.16	14.47	0.01	36.38	0.38	8.406	1.939	27.785
	18.5	16.11	14.42	0.01	36.26	0.51	8.527	2.000	27.775
	22.5	16.06	14.38	0.01	36.15	0.65	8.649	2.061	27.765
	26.5	16.01	14.35	0.01	36.06	0.79	8.771	2.122	27.755
	30.5	15.98	14.32	+0.00	35.98	+0.92	8.893	+2.183	−27.745
Sept.	3.5	15.95	14.29	0.00	35.92	1.06	9.014	2.244	27.735
	7.5	15.93	14.27	0.00	35.87	1.20	9.136	2.305	27.725
	11.5	15.91	14.25	0.00	35.83	1.34	9.257	2.366	27.715
	15.5	15.90	14.24	0.00	35.80	1.48	9.379	2.427	27.705
	19.5	15.89	14.24	+0.00	35.79	+1.61	9.500	+2.487	−27.694
	23.5	15.89	14.23	0.00	35.80	1.75	9.621	2.548	27.683
☌	27.5	15.90	14.24	0.00	35.81	1.90	9.742	2.609	27.672
Okt.	1.5	15.91	14.26	0.00	35.84	2.05	9.863	2.670	27.661
	5.5	15.93	14.28	0.00	35.88	2.20	9.983	2.730	27.650
	9.5	15.96	14.30	−0.00	35.93	+2.34	10.104	+2.791	−27.639
	13.5	15.99	14.33	0.00	36.00	2.48	10.225	2.851	27.628
	17.5	16.03	14.36	0.01	36.08	2.62	10.346	2.912	27.617
	21.5	16.07	14.40	0.01	36.18	2.76	10.466	2.972	27.605
	25.5	16.12	14.45	0.01	36.29	2.90	10.587	3.033	27.593
	29.5	16.17	14.50	−0.01	36.41	+3.03	10.708	+3.093	−27.581
Nov.	2.5	16.23	14.55	0.02	36.54	3.16	10.829	3.154	27.569
	6.5	16.30	14.61	0.02	36.69	3.29	10.949	3.214	27.557
	10.5	16.37	14.68	0.02	36.85	3.42	11.070	3.275	27.545
	14.5	16.45	14.75	0.02	37.03	3.54	11.190	3.335	27.533
	18.5	16.53	14.82	−0.03	37.21	+3.66	11.311	+3.395	−27.521
	22.5	16.62	14.90	0.03	37.41	3.78	11.432	3.455	27.508
	26.5	16.71	14.98	0.03	37.62	3.89	11.553	3.516	27.495
	30.5	16.81	15.07	0.03	37.84	4.00	11.674	3.576	27.482
Dez.	4.5	16.91	15.16	0.04	38.07	4.10	11.795	3.636	27.469
	8.5	17.01	15.26	−0.04	38.31	+4.20	11.916	+3.696	−27.456
	12.5	17.12	15.36	0.04	38.56	4.30	12.037	3.756	27.443
	16.5	17.23	15.46	0.05	38.81	4.39	12.158	3.816	27.430
	20.5	17.35	15.56	0.05	39.08	4.47	12.279	3.876	27.417
	24.5	17.47	15.67	0.05	39.35	4.55	12.400	3.936	27.403
	28.5	17.59	15.78	−0.05	39.62	+4.61	12.521	+3.996	−27.389
	32.5	17.72	15.90	0.05	39.90	4.67	12.642	4.056	27.375

Mittlere Zeit Greenwich	*U*	*B*	*P*	Mittlere Zeit Greenwich	*U*	*B*	*P*
1921				1921			
Jan. 0.5	48°.921	+1°.122	−4°.496	April 2.5	44°.617	−1°.435	−4°.888
2.5	48.934	1.117	4.495	4.5	44.494	1.498	4.899
4.5	48.940	1.108	4.495	6.5	44.375	1.558	4.909
6.5	48.939	1.096	4.495	8.5	44.260	1.616	4.920
8.5	48.932	1.080	4.496	10.5	44.148	1.672	4.930
10.5	48.918	+1.062	−4.497	12.5	44.041	−1.726	−4.939
12.5	48.897	1.041	4.499	14.5	43.938	1.777	4.948
14.5	48.870	1.017	4.501	16.5	43.839	1.826	4.957
16.5	48.837	0.990	4.504	18.5	43.744	1.872	4.965
18.5	48.797	0.960	4.508	20.5	43.654	1.915	4.973
20.5	48.751	+0.927	−4.512	22.5	43.568	−1.956	−4.980
22.5	48.699	0.890	4.517	24.5	43.488	1.994	4.987
24.5	48.642	0.850	4.522	26.5	43.412	2.029	4.994
26.5	48.579	0.807	4.529	28.5	43.342	2.062	5.000
28.5	48.510	0.761	4.536	30.5	43.277	2.090	5.005
30.5	48.435	+0.712	−4.543	Mai 2.5	43.218	−2.116	−5.010
Febr. 1.5	48.355	0.661	4.551	4.5	43.165	2.138	5.014
3.5	48.270	0.608	4.558	6.5	43.118	2.157	5.018
5.5	48.180	0.552	4.566	8.5	43.076	2.172	5.021
7.5	48.085	0.494	4.575	10.5	43.040	2.184	5.024
9.5	47.985	+0.434	−4.585	12.5	43.011	−2.193	−5.027
11.5	47.880	0.372	4.594	14.5	42.988	2.199	5.029
13.5	47.771	0.308	4.604	16.5	42.970	2.201	5.030
15.5	47.658	0.241	4.614	18.5	42.958	2.200	5.031
17.5	47.542	0.173	4.625	20.5	42.953	2.196	5.032
19.5	47.423	+0.103	−4.636	22.5	42.954	−2.189	−5.032
21.5	47.300	+0.032	4.647	24.5	42.960	2.178	5.031
23.5	47.174	−0.040	4.659	26.5	42.972	2.165	5.030
25.5	47.045	0.114	4.671	28.5	42.991	2.148	5.029
27.5	46.914	0.189	4.683	30.5	43.016	2.128	5.027
März 1.5	46.780	−0.265	−4.695	Juni 1.5	43.046	−2.106	−5.024
3.5	46.645	0.341	4.707	3.5	43.082	2.081	5.021
5.5	46.509	0.417	4.719	5.5	43.124	2.052	5.017
7.5	46.372	0.494	4.731	7.5	43.171	2.019	5.013
9.5	46.234	0.570	4.744	9.5	43.225	1.983	5.008
11.5	46.095	−0.646	−4.756	11.5	43.285	−1.943	−5.003
13.5	45.956	0.722	4.769	13.5	43.350	1.900	4.997
15.5	45.816	0.798	4.781	15.5	43.421	1.854	4.991
17.5	45.677	0.873	4.794	17.5	43.498	1.806	4.984
19.5	45.539	0.947	4.806	19.5	43.581	1.755	4.977
21.5	45.402	−1.021	−4.819	21.5	43.669	−1.701	−4.969
23.5	45.266	1.094	4.831	23.5	43.762	1.644	4.961
25.5	45.132	1.165	4.843	25.5	43.861	1.585	4.952
27.5	45.000	1.235	4.854	27.5	43.964	1.524	4.943
29.5	44.870	1.303	4.866	29.5	44.072	1.460	4.933
31.5	44.742	−1.370	−4.877	Juli 1.5	44.185	−1.394	−4.923
April 2.5	44.617	1.435	4.888	3.5	44.302	1.325	4.912

Mittlere Zeit Greenwich	U	B	P	Mittlere Zeit Greenwich	U	B	P
1921	°	°	°	1921	°	°	°
Juli 3.5	44.302	−1.325	−4.912	Okt. 3.5	53.070	+3.408	−4.102
5.5	44.425	1.254	4.901	5.5	53.288	3.518	4.081
7.5	44.552	1.180	4.890	7.5	53.506	3.628	4.060
9.5	44.684	1.103	4.878	9.5	53.723	3.737	4.039
11.5	44.821	1.024	4.865	11.5	53.939	3.845	4.018
13.5	44.962	−0.943	−4.853	13.5	54.154	+3.953	−3.997
15.5	45.107	0.861	4.841	15.5	54.367	4.060	3.976
17.5	45.256	0.776	4.828	17.5	54.579	4.165	3.955
19.5	45.409	0.690	4.814	19.5	54.790	4.269	3.934
21.5	45.566	0.602	4.800	21.5	54.999	4.372	3.913
23.5	45.727	−0.512	−4.785	23.5	55.206	+4.474	−3.893
25.5	45.892	0.420	4.770	25.5	55.411	4.575	3.873
27.5	46.060	0.326	4.755	27.5	55.614	4.675	3.853
29.5	46.232	0.230	4.740	29.5	55.815	4.773	3.833
31.5	46.408	0.132	4.724	31.5	56.013	4.868	3.813
Aug. 2.5	46.587	−0.032	−4.708	Nov. 2.5	56.209	+4.962	−3.793
4.5	46.768	+0.069	4.692	4.5	56.402	5.055	3.774
6.5	46.952	0.172	4.675	6.5	56.592	5.146	3.755
8.5	47.139	0.275	4.658	8.5	56.779	5.235	3.737
10.5	47.329	0.379	4.641	10.5	56.962	5.322	3.718
12.5	47.521	+0.483	−4.623	12.5	57.142	+5.407	−3.700
14.5	47.716	0.588	4.605	14.5	57.319	5.490	3.682
16.5	47.914	0.694	4.587	16.5	57.492	5.571	3.665
18.5	48.114	0.802	4.569	18.5	57.662	5.650	3.648
20.5	48.316	0.912	4.550	20.5	57.828	5.727	3.631
22.5	48.520	+1.023	−4.531	22.5	57.990	+5.801	−3.615
24.5	48.726	1.135	4.512	24.5	58.149	5.872	3.599
26.5	48.934	1.246	4.493	26.5	58.303	5.942	3.583
28.5	49.143	1.357	4.474	28.5	58.452	6.009	3.568
30.5	49.354	1.469	4.455	30.5	58.597	6.073	3.554
Sept. 1.5	49.567	+1.581	−4.435	Dez. 2.5	58.737	+6.135	−3.540
3.5	49.781	1.695	4.415	4.5	58.872	6.195	3.526
5.5	49.997	1.809	4.394	6.5	59.003	6.252	3.512
7.5	50.214	1.924	4.374	8.5	59.128	6.306	3.500
9.5	50.431	2.039	4.353	10.5	59.249	6.357	3.488
11.5	50.649	+2.154	−4.333	12.5	59.364	+6.405	−3.476
13.5	50.868	2.268	4.312	14.5	59.474	6.451	3.464
15.5	51.087	2.382	4.292	16.5	59.578	6.493	3.454
17.5	51.307	2.496	4.271	18.5	59.676	6.532	3.444
19.5	51.527	2.611	4.250	20.5	59.769	6.568	3.434
21.5	51.748	+2.726	−4.229	22.5	59.855	+6.601	−3.425
23.5	51.969	2.841	4.208	24.5	59.936	6.631	3.416
25.5	52.190	2.955	4.187	26.5	60.011	6.659	3.408
27.5	52.411	3.069	4.166	28.5	60.079	6.683	3.402
29.5	52.631	3.183	4.145	30.5	60.142	6.704	3.395
Okt. 1.5	52.851	+3.296	−4.124	32.5	60.199	+6.721	−3.389
3.5	53.070	3.408	4.102				

MIMAS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1921				
Jan. 0.5	65°.578	5°.41	1.44887	+0″.55
2.5	109.564	47.40	1.45039	+0.55
4.5	153.550	89.39	1.45190	+0.55
6.5	197.536	131.38	1.45340	+0.54
8.5	241.522	173.37	1.45488	+0.54
10.5	285.509	215.35	1.45635	+0.53
12.5	329.495	257.34	1.45779	+0.52
14.5	13.481	299.32	1.45921	+0.51
16.5	57.468	341.30	1.46061	+0.50
18.5	101.454	23.28	1.46198	+0.49
20.5	145.440	65.27	1.46332	+0.47
22.5	189.427	107.26	1.46463	+0.45
24.5	233.413	149.24	1.46590	+0.43
26.5	277.399	191.23	1.46714	+0.41
28.5	321.385	233.21	1.46834	+0.39
30.5	5.372	275.20	1.46950	+0.37
Febr. 1.5	49.358	317.18	1.47062	+0.34
3.5	93.344	359.17	1.47169	+0.31
5.5	137.330	41.15	1.47273	+0.29
7.5	181.316	83.14	1.47371	+0.26
9.5	225.302	125.13	1.47465	+0.23
11.5	269.288	167.12	1.47554	+0.19
13.5	313.274	209.10	1.47638	+0.16
15.5	357.261	251.09	1.47716	+0.13
17.5	41.247	293.08	1.47788	+0.09
19.5	85.233	335.06	1.47854	+0.05
21.5	129.219	17.05	1.47915	+0.02
23.5	173.205	59.03	1.47970	−0.02
25.5	217.191	101.02	1.48019	−0.06
27.5	261.177	143.00	1.48061	−0.10
März 1.5	305.163	184.98	1.48098	−0.14
3.5	349.149	226.97	1.48128	−0.18
5.5	33.135	268.96	1.48152	−0.22
7.5	77.121	310.94	1.48169	−0.26
9.5	121.107	352.93	1.48180	−0.30
11.5	165.093	34.92	1.48184	−0.34
13.5	209.079	76.91	1.48182	−0.38
15.5	253.065	118.89	1.48174	−0.42
17.5	297.051	160.88	1.48160	−0.46
19.5	341.038	202.87	1.48139	−0.50

MIMAS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1921				
März 19.5	341°.038	202°.87	1.48139	−0″.50
21.5	25.024	244.85	1.48112	−0.54
23.5	69.010	286.84	1.48078	−0.58
25.5	112.996	328.82	1.48039	−0.61
27.5	156.982	10.81	1.47993	−0.65
29.5	200.968	52.80	1.47941	−0.69
31.5	244.954	94.78	1.47883	−0.72
April 2.5	288.940	136.77	1.47820	−0.75
4.5	332.926	178.75	1.47751	−0.79
6.5	16.912	220.74	1.47676	−0.81
8.5	60.898	262.73	1.47596	−0.84
10.5	104.884	304.71	1.47511	−0.87
12.5	148.870	346.70	1.47421	−0.90
14.5	192.856	28.69	1.47326	−0.92
16.5	236.842	70.67	1.47226	−0.94
18.5	280.828	112.66	1.47122	−0.97
20.5	324.813	154.64	1.47013	−0.99
22.5	8.799	196.62	1.46900	−1.01
24.5	52.785	238.61	1.46783	−1.02
26.5	96.771	280.59	1.46663	−1.04
28.5	140.757	322.58	1.46539	−1.05
30.5	184.743	4.57	1.46412	−1.06
Mai 2.5	228.728	46.55	1.46281	−1.07
4.5	272.714	88.54	1.46147	−1.08
6.5	316.700	130.52	1.46010	−1.08
8.5	0.685	172.51	1.45871	−1.09
10.5	44.671	214.50	1.45729	−1.09
12.5	88.657	256.48	1.45585	−1.09
14.5	132.642	298.47	1.45440	−1.09
16.5	176.628	340.45	1.45292	−1.09
18.5	220.614	22.44	1.45143	−1.09
20.5	264.600	64.42	1.44993	−1.08
22.5	308.585	106.41	1.44841	−1.07
24.5	352.571	148.39	1.44689	−1.06
26.5	36.556	190.38	1.44536	−1.05
28.5	80.542	232.36	1.44382	−1.04
30.5	124.528	274.35	1.44228	−1.03
Juni 1.5	168.514	316.34	1.44074	−1.01
3.5	212.500	358.33	1.43920	−1.00
5.5	256.485	40.31	1.43766	−0.98

MIMAS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1921				
Juni 5.5	256°.485	40°.31	1.43766	− 0″.98
7.5	300.471	82.30	1.43612	− 0.96
9.5	344.457	124.28	1.43459	− 0.94
11.5	28.443	166.27	1.43305	− 0.92
13.5	72.429	208.25	1.43152	− 0.90
15.5	116.414	250.24	1.43000	− 0.87
17.5	160.400	292.23	1.42849	− 0.85
19.5	204.385	334.21	1.42699	− 0.82
21.5	248.371	16.19	1.42551	− 0.79
23.5	292.356	58.18	1.42404	− 0.76
25.5	336.342	100.16	1.42259	− 0.73
27.5	20.327	142.15	1.42116	− 0.70
29.5	64.313	184.13	1.41974	− 0.67
Juli 1.5	108.299	226.12	1.41835	− 0.64
3.5	152.284	268.11	1.41697	− 0.60
5.5	196.270	310.09	1.41561	− 0.57
7.5	240.255	352.08	1.41427	− 0.53
9.5	284.240	34.07	1.41296	− 0.50
11.5	328.226	76.05	1.41167	− 0.46
13.5	12.211	118.04	1.41041	− 0.42
Nov. 28.5	167.189	135.01	1.41010	+ 2.69
30.5	211.174	177.00	1.41137	+ 2.72
Dez. 2.5	255.159	218.98	1.41267	+ 2.76
4.5	299.143	260.97	1.41400	+ 2.80
6.5	343.128	302.95	1.41535	+ 2.83
8.5	27.113	344.94	1.41672	+ 2.87
10.5	71.098	26.92	1.41811	+ 2.90
12.5	115.083	68.90	1.41952	+ 2.93
14.5	159.068	110.89	1.42096	+ 2.96
16.5	203.052	152.87	1.42242	+ 2.99
18.5	247.037	194.86	1.42389	+ 3.02
20.5	291.022	236.84	1.42538	+ 3.05
22.5	335.007	278.82	1.42687	+ 3.07
24.5	18.992	320.81	1.42836	+ 3.10
26.5	62.977	2.79	1.42986	+ 3.12
28.5	106.962	44.78	1.43138	+ 3.14
30.5	150.947	86.76	1.43290	+ 3.16
32.5	194.931	128.74	1.43443	+ 3.18

ENCELADUS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1921				
Jan. 0.5	67°.091	285°.6	1.55708	+ 0″.71
2.5	232.554	90.4	1.55860	+ 0.70
4.5	38.017	255.2	1.56011	+ 0.70
6.5	203.479	60.0	1.56161	+ 0.70
8.5	8.942	224.8	1.56309	+ 0.69
10.5	174.404	29.6	1.56456	+ 0.68
12.5	339.867	194.4	1.56600	+ 0.67
14.5	145.329	359.1	1.56742	+ 0.65
16.5	310.792	163.9	1.56882	+ 0.64
18.5	116.254	328.7	1.57019	+ 0.62
20.5	281.716	133.5	1.57153	+ 0.60
22.5	87.178	298.3	1.57284	+ 0.58
24.5	252.641	103.1	1.57411	+ 0.56
26.5	58.103	267.9	1.57535	+ 0.53
28.5	223.566	72.7	1.57655	+ 0.50
30.5	29.028	237.4	1.57771	+ 0.47
Febr. 1.5	194.491	42.2	1.57883	+ 0.44
3.5	359.953	207.0	1.57990	+ 0.40
5.5	165.416	11.8	1.58094	+ 0.37
7.5	330.878	176.6	1.58192	+ 0.33
9.5	136.341	341.4	1.58286	+ 0.29
11.5	301.803	146.2	1.58375	+ 0.25
13.5	107.266	311.0	1.58459	+ 0.21
15.5	272.728	115.7	1.58537	+ 0.16
17.5	78.191	280.5	1.58609	+ 0.12
19.5	243.654	85.3	1.58675	+ 0.07
21.5	49.117	250.1	1.58736	+ 0.02
23.5	214.579	54.9	1.58791	− 0.03
25.5	20.042	219.7	1.58840	− 0.08
27.5	185.504	24.5	1.58882	− 0.13
März 1.5	350.967	189.3	1.58919	− 0.18
3.5	156.430	354.1	1.58949	− 0.23
5.5	321.892	158.9	1.58973	− 0.28
7.5	127.355	323.7	1.58990	− 0.33
9.5	292.817	128.5	1.59001	− 0.39
11.5	98.280	293.3	1.59005	− 0.44
13.5	263.743	98.1	1.59003	− 0.49
15.5	69.206	262.9	1.58995	− 0.54
17.5	234.669	67.6	1.58981	− 0.59
19.5	40.132	232.4	1.58960	− 0.64

ENCELADUS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1921	°	°		"
März 19.5	40.132	232.4	1.58960	− 0.64
21.5	205.594	37.2	1.58933	− 0.69
23.5	11.057	201.9	1.58899	− 0.74
25.5	176.520	6.7	1.58860	− 0.79
27.5	341.983	171.5	1.58814	− 0.83
29.5	147.446	336.3	1.58762	− 0.88
31.5	312.909	141.1	1.58704	− 0.92
April 2.5	118.372	305.9	1.58641	− 0.97
4.5	283.834	110.7	1.58572	− 1.01
6.5	89.297	275.4	1.58497	− 1.05
8.5	254.760	80.2	1.58417	− 1.08
10.5	60.223	245.0	1.58332	− 1.12
12.5	225.686	49.8	1.58242	− 1.15
14.5	31.149	214.6	1.58147	− 1.18
16.5	196.612	19.4	1.58047	− 1.21
18.5	2.075	184.2	1.57943	− 1.24
20.5	167.537	348.9	1.57834	− 1.26
22.5	333.000	153.7	1.57721	− 1.29
24.5	138.463	318.5	1.57604	− 1.31
26.5	303.926	123.3	1.57484	− 1.33
28.5	109.389	288.1	1.57360	− 1.35
30.5	274.852	92.9	1.57233	− 1.36
Mai 2.5	80.315	257.7	1.57102	− 1.37
4.5	245.778	62.5	1.56968	− 1.38
6.5	51.242	227.2	1.56831	− 1.39
8.5	216.705	32.0	1.56692	− 1.40
10.5	22.168	196.8	1.56550	− 1.40
12.5	187.631	1.6	1.56406	− 1.40
14.5	353.094	166.4	1.56261	− 1.40
16.5	158.557	331.2	1.56113	− 1.40
18.5	324.020	136.0	1.55964	− 1.39
20.5	129.483	300.8	1.55814	− 1.38
22.5	294.947	105.6	1.55662	− 1.38
24.5	100.410	270.4	1.55510	− 1.37
26.5	265.873	75.1	1.55357	− 1.35
28.5	71.336	239.9	1.55203	− 1.34
30.5	236.799	44.7	1.55049	− 1.32
Juni 1.5	42.262	209.5	1.54895	− 1.30
3.5	207.725	14.3	1.54741	− 1.28
5.5	13.189	179.0	1.54587	− 1.26

ENCELADUS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1921	°	°		"
Juni 5.5	13.189	179.0	1.54587	− 1.26
7.5	178.652	343.8	1.54433	− 1.23
9.5	344.115	148.6	1.54280	− 1.21
11.5	149.578	313.4	1.54126	− 1.18
13.5	315.042	118.2	1.53973	− 1.15
15.5	120.505	283.0	1.53821	− 1.12
17.5	285.968	87.8	1.53670	− 1.08
19.5	91.431	252.6	1.53520	− 1.05
21.5	256.895	57.4	1.53372	− 1.01
23.5	62.358	222.2	1.53225	− 0.98
25.5	227.822	26.9	1.53080	− 0.94
27.5	33.285	191.7	1.52937	− 0.90
29.5	198.748	356.5	1.52795	− 0.86
Juli 1.5	4.212	161.3	1.52656	− 0.82
3.5	169.675	326.1	1.52518	− 0.77
5.5	335.139	130.9	1.52382	− 0.73
7.5	140.602	295.7	1.52248	− 0.68
9.5	306.066	100.5	1.52117	− 0.64
11.5	111.529	265.2	1.51988	− 0.59
13.5	276.993	70.0	1.51862	− 0.54
Nov. 28.5	174.020	280.4	1.51831	+ 3.45
30.5	339.484	85.2	1.51958	+ 3.50
Dez. 2.5	144.949	250.0	1.52088	+ 3.55
4.5	310.413	54.8	1.52221	+ 3.59
6.5	115.877	219.6	1.52356	+ 3.64
8.5	281.342	24.4	1.52493	+ 3.68
10.5	86.807	189.2	1.52632	+ 3.72
12.5	252.272	354.0	1.52773	+ 3.76
14.5	57.736	158.8	1.52917	+ 3.80
16.5	223.201	323.6	1.53063	+ 3.84
18.5	28.666	128.3	1.53210	+ 3.87
20.5	194.130	293.1	1.53359	+ 3.91
22.5	359.595	97.9	1.53508	+ 3.94
24.5	165.060	262.7	1.53657	+ 3.97
26.5	330.525	67.5	1.53807	+ 4.00
28.5	135.990	232.3	1.53959	+ 4.03
30.5	301.454	37.1	1.54111	+ 4.06
32.5	106.919	201.8	1.54264	+ 4.08

Mittlere Zeit Greenwich	L	M	log a(Δ)/Δ	a(Δ)/Δ sin B	Mittlere Zeit Greenwich	L	M	log a(Δ)/Δ	a(Δ)/Δ sin B
TETHYS					TETHYS				
1921	°			"	1921	°			"
Jan. 0.5	295.943		1.64978	+ 0.87	März 19.5	50.378		1.68230	− 0.79
2.5	317.338		1.65130	+ 0.87	21.5	71.774		1.68203	− 0.86
4.5	338.734		1.65281	+ 0.87	23.5	93.170		1.68169	− 0.92
6.5	0.130		1.65431	+ 0.86	25.5	114.565		1.68130	− 0.98
8.5	21.526		1.65579	+ 0.85	27.5	135.961		1.68084	− 1.03
10.5	42.921		1.65726	+ 0.84	29.5	157.357		1.68032	− 1.09
12.5	64.317		1.65870	+ 0.83	31.5	178.753		1.67974	− 1.15
14.5	85.712		1.66012	+ 0.81	April 2.5	200.149		1.67911	− 1.20
16.5	107.108		1.66152	+ 0.79	4.5	221.545		1.67842	− 1.24
18.5	128.504		1.66289	+ 0.77	6.5	242.940		1.67767	− 1.29
20.5	149.900		1.66423	+ 0.75	8.5	264.336		1.67687	− 1.34
22.5	171.295		1.66554	+ 0.72	10.5	285.731		1.67602	− 1.38
24.5	192.691		1.66681	+ 0.69	12.5	307.127		1.67512	− 1.43
26.5	214.087		1.66805	+ 0.66	14.5	328.523		1.67417	− 1.47
28.5	235.483		1.66925	+ 0.62	16.5	349.919		1.67317	− 1.50
30.5	256.879		1.67041	+ 0.58	18.5	11.315		1.67213	− 1.53
Febr. 1.5	278.274		1.67153	+ 0.54	20.5	32.710		1.67104	− 1.57
3.5	299.670		1.67260	+ 0.50	22.5	54.106		1.66991	− 1.60
5.5	321.066		1.67364	+ 0.45	24.5	75.502		1.66874	− 1.62
7.5	342.462		1.67462	+ 0.41	26.5	96.898		1.66754	− 1.65
9.5	3.858		1.67556	+ 0.36	28.5	118.294		1.66630	− 1.67
11.5	25.254		1.67645	+ 0.31	30.5	139.690		1.66503	− 1.69
13.5	46.650		1.67729	+ 0.26	Mai 2.5	161.086		1.66372	− 1.70
15.5	68.045		1.67807	+ 0.20	4.5	182.481		1.66238	− 1.71
17.5	89.441		1.67879	+ 0.14	6.5	203.877		1.66101	− 1.72
19.5	110.837		1.67945	+ 0.09	8.5	225.273		1.65962	− 1.73
21.5	132.232		1.68006	+ 0.03	10.5	246.668		1.65820	− 1.73
23.5	153.628		1.68061	− 0.03	12.5	268.064		1.65676	− 1.73
25.5	175.024		1.68110	− 0.10	14.5	289.460		1.65531	− 1.73
27.5	196.420		1.68152	− 0.16	16.5	310.856		1.65383	− 1.73
März 1.5	217.816		1.68189	− 0.22	18.5	332.252		1.65234	− 1.72
3.5	239.211		1.68219	− 0.29	20.5	353.647		1.65084	− 1.71
5.5	260.607		1.68243	− 0.35	22.5	15.043		1.64932	− 1.70
7.5	282.003		1.68260	− 0.41	24.5	36.439		1.64780	− 1.69
9.5	303.399		1.68271	− 0.48	26.5	57.834		1.64627	− 1.67
11.5	324.795		1.68275	− 0.54	28.5	79.230		1.64473	− 1.65
13.5	346.191		1.68273	− 0.61	30.5	100.626		1.64319	− 1.63
15.5	7.587		1.68265	− 0.67	Juni 1.5	122.022		1.64165	− 1.61
17.5	28.982		1.68251	− 0.73	3.5	143.418		1.64011	− 1.59
19.5	50.378		1.68230	− 0.79	5.5	164.814		1.63857	− 1.56

TETHYS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1921				
Juni 5.5	164°.814		1.63857	− 1″.56
7.5	186.210		1.63703	− 1.53
9.5	207.605		1.63550	− 1.50
11.5	229.001		1.63396	− 1.46
13.5	250.397		1.63243	− 1.42
15.5	271.793		1.63091	− 1.38
17.5	293.189		1.62940	− 1.34
19.5	314.585		1.62790	− 1.30
21.5	335.980		1.62642	− 1.26
23.5	357.376		1.62495	− 1.21
25.5	18.772		1.62350	− 1.16
27.5	40.168		1.62207	− 1.11
29.5	61.563		1.62065	− 1.06
Juli 1.5	82.959		1.61926	− 1.01
3.5	104.355		1.61788	− 0.96
5.5	125.751		1.61652	− 0.90
7.5	147.147		1.61518	− 0.85
9.5	168.543		1.61387	− 0.79
11.5	189.939		1.61258	− 0.73
13.5	211.335		1.61132	− 0.67
Nov. 28.5	247.647		1.61101	+ 4.27
30.5	269.043		1.61228	+ 4.33
Dez. 2.5	290.439		1.61358	+ 4.39
4.5	311.835		1.61491	+ 4.45
6.5	333.231		1.61626	+ 4.50
8.5	354.626		1.61763	+ 4.55
10.5	16.022		1.61902	+ 4.61
12.5	37.418		1.62043	+ 4.65
14.5	58.814		1.62187	+ 4.70
16.5	80.210		1.62333	+ 4.75
18.5	101.605		1.62480	+ 4.79
20.5	123.001		1.62629	+ 4.84
22.5	144.397		1.62778	+ 4.88
24.5	165.793		1.62927	+ 4.91
26.5	187.189		1.63077	+ 4.96
28.5	208.585		1.63229	+ 4.99
30.5	229.980		1.63381	+ 5.02
32.5	251.376		1.63534	+ 5.05

DIONE

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1921				
Jan. 0.5	284°.420	341°.2	1.75725	+ 1″.12
2.5	187.490	244.1	1.75877	+ 1.12
4.5	90.560	147.0	1.76028	+ 1.11
6.5	353.630	49.9	1.76178	+ 1.10
8.5	256.700	312.8	1.76326	+ 1.09
10.5	159.770	215.7	1.76473	+ 1.08
12.5	62.840	118.6	1.76617	+ 1.06
14.5	325.910	21.5	1.76759	+ 1.04
16.5	228.979	284.4	1.76899	+ 1.02
18.5	132.049	187.3	1.77036	+ 0.99
20.5	35.119	90.2	1.77170	+ 0.96
22.5	298.189	353.1	1.77301	+ 0.92
24.5	201.259	256.0	1.77428	+ 0.88
26.5	104.329	158.9	1.77552	+ 0.84
28.5	7.399	61.8	1.77672	+ 0.79
30.5	270.468	324.7	1.77788	+ 0.74
Febr. 1.5	173.538	227.6	1.77900	+ 0.69
3.5	76.608	130.5	1.78007	+ 0.64
5.5	339.677	33.4	1.78111	+ 0.58
7.5	242.747	296.3	1.78209	+ 0.52
9.5	145.817	199.2	1.78303	+ 0.46
11.5	48.887	102.1	1.78392	+ 0.39
13.5	311.956	5.0	1.78476	+ 0.33
15.5	215.026	267.9	1.78554	+ 0.26
17.5	118.096	170.8	1.78626	+ 0.18
19.5	21.165	73.7	1.78692	+ 0.11
21.5	284.235	336.6	1.78753	+ 0.03
23.5	187.305	239.5	1.78808	− 0.04
25.5	90.375	142.4	1.78857	− 0.12
27.5	353.445	45.3	1.78899	− 0.20
März 1.5	256.515	308.2	1.78936	− 0.28
3.5	159.585	211.1	1.78966	− 0.37
5.5	62.655	114.0	1.78990	− 0.45
7.5	325.725	16.9	1.79007	− 0.53
9.5	228.795	279.8	1.79018	− 0.61
11.5	131.865	182.7	1.79022	− 0.70
13.5	34.935	85.6	1.79020	− 0.78
15.5	298.005	348.5	1.79012	− 0.86
17.5	201.074	251.4	1.78998	− 0.94
19.5	104.144	154.3	1.78977	− 1.02

DIONE

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1921	°	°		″
März 19.5	104.144	154.3	1.78977	— 1.02
21.5	7.214	57.2	1.78950	— 1.10
23.5	270.283	320.1	1.78916	— 1.17
25.5	173.353	223.0	1.78877	— 1.25
27.5	76.423	125.9	1.78831	— 1.32
29.5	339.493	28.8	1.78779	— 1.39
31.5	242.563	291.7	1.78721	— 1.47
April 2.5	145.632	194.6	1.78658	— 1.53
4.5	48.702	97.5	1.78589	— 1.60
6.5	311.772	0.4	1.78514	— 1.66
8.5	214.842	263.3	1.78434	— 1.72
10.5	117.911	166.2	1.78349	— 1.77
12.5	20.981	69.1	1.78259	— 1.82
14.5	284.051	332.0	1.78164	— 1.87
16.5	187.121	234.9	1.78064	— 1.92
18.5	90.190	137.8	1.77960	— 1.97
20.5	353.260	40.7	1.77851	— 2.01
22.5	256.330	303.6	1.77738	— 2.04
24.5	159.400	206.5	1.77621	— 2.08
26.5	62.469	109.4	1.77501	— 2.11
28.5	325.539	12.3	1.77377	— 2.14
30.5	228.609	275.2	1.77250	— 2.16
Mai 2.5	131.679	178.1	1.77119	— 2.18
4.5	34.748	81.0	1.76985	— 2.20
6.5	297.818	343.9	1.76848	— 2.21
8.5	200.888	246.8	1.76709	— 2.21
10.5	103.957	149.7	1.76567	— 2.22
12.5	7.027	52.6	1.76423	— 2.22
14.5	270.097	315.6	1.76278	— 2.22
16.5	173.167	218.5	1.76130	— 2.22
18.5	76.236	121.4	1.75981	— 2.21
20.5	339.306	24.3	1.75831	— 2.19
22.5	242.376	287.2	1.75679	— 2.18
24.5	145.445	190.1	1.75527	— 2.16
26.5	48.515	93.0	1.75374	— 2.14
28.5	311.585	355.9	1.75220	— 2.12
30.5	214.654	258.8	1.75066	— 2.09
Juni 1.5	117.724	161.7	1.74912	— 2.06
3.5	20.794	64.6	1.74758	— 2.03
5.5	283.863	327.5	1.74604	— 2.00

DIONE

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1921	°	°		″
Juni 5.5	283.863	327.5	1.74604	— 2.00
7.5	186.933	230.4	1.74450	— 1.96
9.5	90.003	133.3	1.74297	— 1.91
11.5	353.073	36.2	1.74143	— 1.87
13.5	256.142	299.1	1.73990	— 1.82
15.5	159.212	202.0	1.73838	— 1.77
17.5	62.282	104.9	1.73687	— 1.72
19.5	325.352	7.8	1.73537	— 1.66
21.5	228.421	270.7	1.73389	— 1.61
23.5	131.491	173.6	1.73242	— 1.55
25.5	34.561	76.5	1.73097	— 1.49
27.5	297.631	339.4	1.72954	— 1.43
29.5	200.700	242.3	1.72812	— 1.36
Juli 1.5	103.770	145.2	1.72673	— 1.30
3.5	6.840	48.1	1.72535	— 1.23
5.5	269.910	311.0	1.72399	— 1.16
7.5	172.979	213.9	1.72265	— 1.09
9.5	76.049	116.8	1.72134	— 1.01
11.5	339.119	19.7	1.72005	— 0.94
13.5	242.188	282.6	1.71879	— 0.86
Nov. 28.5	33.994	62.7	1.71848	+ 5.48
30.5	297.063	325.6	1.71975	+ 5.55
Dez. 2.5	200.133	228.5	1.72105	+ 5.62
4.5	103.203	131.4	1.72238	+ 5.70
6.5	6.272	34.3	1.72373	+ 5.77
8.5	269.342	297.2	1.72510	+ 5.83
10.5	172.412	200.1	1.72649	+ 5.90
12.5	75.481	103.0	1.72790	+ 5.96
14.5	338.551	5.9	1.72934	+ 6.02
16.5	241.620	268.8	1.73080	+ 6.08
18.5	144.690	171.7	1.73227	+ 6.14
20.5	47.759	74.6	1.73376	+ 6.20
22.5	310.829	337.5	1.73525	+ 6.25
24.5	213.898	240.4	1.73674	+ 6.30
26.5	116.968	143.3	1.73824	+ 6.35
28.5	20.037	46.2	1.73976	+ 6.39
30.5	283.107	309.1	1.74128	+ 6.43
32.5	186.176	212.0	1.74281	+ 6.47

RHEA

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1921	°	°		″
Jan. 0.5	318.063	178.5	1.90229	+ 1.56
2.5	117.443	337.8	1.90381	+ 1.56
4.5	276.823	137.1	1.90532	+ 1.55
6.5	76.204	296.5	1.90682	+ 1.54
8.5	235.584	95.8	1.90830	+ 1.53
10.5	34.964	255.1	1.90977	+ 1.51
12.5	194.344	54.5	1.91121	+ 1.48
14.5	353.724	213.8	1.91263	+ 1.45
16.5	153.103	13.1	1.91403	+ 1.42
18.5	312.483	172.5	1.91540	+ 1.38
20.5	111.863	331.8	1.91674	+ 1.34
22.5	271.243	131.1	1.91805	+ 1.29
24.5	70.623	290.4	1.91932	+ 1.23
26.5	230.003	89.7	1.92056	+ 1.17
28.5	29.383	249.1	1.92176	+ 1.11
30.5	188.763	48.4	1.92292	+ 1.04
Febr. 1.5	348.143	207.8	1.92404	+ 0.97
3.5	147.523	7.1	1.92511	+ 0.89
5.5	306.903	166.4	1.92615	+ 0.81
7.5	106.283	325.7	1.92713	+ 0.73
9.5	265.663	125.0	1.92807	+ 0.64
11.5	65.043	284.3	1.92896	+ 0.55
13.5	224.423	83.7	1.92980	+ 0.46
15.5	23.803	243.0	1.93058	+ 0.36
17.5	183.183	42.3	1.93130	+ 0.26
19.5	342.562	201.6	1.93196	+ 0.15
21.5	141.942	1.0	1.93257	+ 0.05
23.5	301.322	160.3	1.93312	— 0.06
25.5	100.702	319.6	1.93361	— 0.17
27.5	260.082	118.9	1.93403	— 0.28
März 1.5	59.462	278.3	1.93440	— 0.40
3.5	218.842	77.6	1.93470	— 0.51
5.5	18.222	236.9	1.93494	— 0.63
7.5	177.602	36.2	1.93511	— 0.74
9.5	336.982	195.6	1.93522	— 0.86
11.5	136.362	354.9	1.93526	— 0.97
13.5	295.742	154.2	1.93524	— 1.09
15.5	95.122	313.5	1.93516	— 1.20
17.5	254.502	112.8	1.93502	— 1.31
19.5	53.882	272.2	1.93481	— 1.42

RHEA

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1921	°	°		″
März 19.5	53.882	272.2	1.93481	— 1.42
21.5	213.262	71.6	1.93454	— 1.53
23.5	12.642	230.9	1.93420	— 1.64
25.5	172.022	30.2	1.93381	— 1.75
27.5	331.402	189.5	1.93335	— 1.85
29.5	130.782	348.8	1.93283	— 1.95
31.5	290.162	148.1	1.93225	— 2.05
April 2.5	89.542	307.5	1.93162	— 2.14
4.5	248.922	106.8	1.93093	— 2.23
6.5	48.301	266.1	1.93018	— 2.31
8.5	207.681	65.5	1.92938	— 2.40
10.5	7.061	224.8	1.92853	— 2.48
12.5	166.441	24.1	1.92763	— 2.55
14.5	325.821	183.4	1.92668	— 2.62
16.5	125.201	342.7	1.92568	— 2.69
18.5	284.581	142.0	1.92464	— 2.75
20.5	83.961	301.3	1.92355	— 2.80
22.5	243.341	100.7	1.92242	— 2.85
24.5	42.721	260.0	1.92125	— 2.90
26.5	202.101	59.3	1.92005	— 2.94
28.5	1.481	218.7	1.91981	— 2.98
30.5	160.861	18.0	1.91854	— 3.02
Mai 2.5	320:241	177.3	1.91623	— 3.05
4.5	119.620	336.7	1.91489	— 3.07
6.5	279.000	136.0	1.91352	— 3.08
8.5	78.380	295.3	1.91213	— 3.09
10.5	237.760	94.7	1.91071	— 3.10
12.5	37.139	254.0	1.90927	— 3.11
14.5	196.519	53.3	1.90782	— 3.10
16.5	355.899	212.6	1.90634	— 3.09
18.5	155.279	11.9	1.90485	— 3.08
20.5	314.659	171.3	1.90335	— 3.07
22.5	114.039	330.6	1.90183	— 3.05
24.5	273.419	129.9	1.90031	— 3.02
26.5	72.799	289.3	1.89878	— 2.99
28.5	232.179	88.6	1.89724	— 2.96
30.5	31.559	247.9	1.89570	— 2.92
Juni 1.5	190.939	47.2	1.89416	— 2.88
3.5	350.319	206.6	1.89262	— 2.84
5.5	149.699	5.9	1.89108	— 2.79

Mittlere Zeit Greenwich	L	M	log a(Δ)/Δ	a(Δ)/Δ sin B
		RHEA		
1921	°	°		"
Juni 5.5	149.699	5.9	1.89108	— 2.79
7.5	309.079	165.2	1.88954	— 2.73
9.5	108.459	324.6	1.88801	— 2.67
11.5	267.839	123.9	1.88647	— 2.61
13.5	67.219	283.2	1.88494	— 2.54
15.5	226.599	82.5	1.88342	— 2.47
17.5	25.979	241.8	1.88191	— 2.40
19.5	185.359	41.1	1.88041	— 2.33
21.5	344.739	200.4	1.87893	— 2.25
23.5	144.119	359.8	1.87746	— 2.16
25.5	303.498	159.1	1.87601	— 2.08
27.5	102.878	318.4	1.87458	— 1.99
29.5	262.258	117.8	1.87316	— 1.90
Juli 1.5	61.638	277.1	1.87177	— 1.81
3.5	221.018	76.4	1.87039	— 1.72
5.5	20.398	235.7	1.86903	— 1.62
7.5	179.778	35.1	1.86769	— 1.52
9.5	339.158	194.4	1.86638	— 1.41
11.5	138.538	353.7	1.86509	— 1.31
13.5	297.918	153.1	1.86383	— 1.20

Mittlere Zeit Greenwich	L	M	log a(Δ)/Δ	a(Δ)/Δ sin B
		RHEA		
1921	°	°		"
Nov. 28.5	135.135	346.4	1.86352	+ 7.64
30.5	294.515	145.7	1.86479	+ 7.75
Dez. 2.5	93.895	305.1	1.86609	+ 7.85
4.5	253.275	104.4	1.86742	+ 7.95
6.5	52.654	263.7	1.86877	+ 8.05
8.5	212.034	63.0	1.87014	+ 8.15
10.5	11.414	222.3	1.87153	+ 8.24
12.5	170.794	21.6	1.87294	+ 8.33
14.5	330.174	181.0	1.87438	+ 8.41
16.5	129.554	340.3	1.87584	+ 8.50
18.5	288.933	139.7	1.87731	+ 8.58
20.5	88.313	299.1	1.87880	+ 8.65
22.5	247.693	98.4	1.88029	+ 8.73
24.5	47.073	257.8	1.88178	+ 8.79
26.5	206.453	57.1	1.88328	+ 8.86
28.5	5.833	216.4	1.88480	+ 8.93
30.5	165.213	15.8	1.88632	+ 8.98
32.5	324.593	175.1	1.88785	+ 9.04

Bewegung der mittleren Länge L und der mittleren Anomalie M

Zeit	Mimas		Enceladus		Tethys	Dione		Rhea	
	L	M	L	M	L	L	M	L	M
d 1	21°.995	21°.00	262°.732	262°.4	190°.698	131°.535	131°.5	79°.690	79°.7
h 1	15.916	15.87	10.947	10.9	7.946	5.481	5.5	3.320	3.3
2	31.833	31.75	21.894	21.9	15.892	10.961	11.0	6.641	6.6
3	47.749	47.62	32.842	32.8	23.838	16.442	16.4	9.961	10.0
4	63.666	63.50	43.789	43.7	31.783	21.923	21.9	13.282	13.3
5	79.582	79.37	54.736	54.7	39.729	27.403	27.4	16.602	16.6
6	95.499	95.25	65.683	65.6	47.675	32.884	32.9	19.923	19.9
7	111.415	111.12	76.630	76.5	55.621	38.364	38.4	23.244	23.2
8	127.332	127.00	87.577	87.5	63.566	43.845	43.8	26.564	26.6
9	143.248	142.87	98.525	98.4	71.512	49.326	49.3	29.884	29.9
10	159.165	158.75	109.472	109.3	79.458	54.806	54.8	33.205	33.2
11	175.081	174.62	120.419	120.3	87.403	60.287	60.3	36.525	36.5
12	190.997	190.50	131.366	131.2	95.349	65.767	65.7	39.845	39.8
13	206.914	206.37	142.313	142.1	103.295	71.248	71.2	43.166	43.2
14	222.830	222.25	153.260	153.1	111.241	76.729	76.7	46.486	46.5
15	238.747	238.12	164.208	164.0	119.186	82.209	82.2	49.806	49.8
16	254.663	254.00	175.155	174.9	127.132	87.690	87.7	53.127	53.1
17	270.580	269.87	186.102	185.9	135.078	93.171	93.1	56.447	56.5
18	286.496	285.75	197.049	196.8	143.024	98.651	98.6	59.768	59.8
19	302.413	301.62	207.997	207.7	150.970	104.132	104.1	63.088	63.1
20	318.329	317.50	218.944	218.7	158.916	109.613	109.6	66.409	66.4
21	334.246	333.37	229.891	229.6	166.861	115.093	115.1	69.729	69.7
22	350.162	349.25	240.838	240.5	174.806	120.574	120.5	73.050	73.1
23	6.079	5.12	251.785	251.5	182.752	126.054	126.0	76.370	76.4
m 1	0.265	0.26	0.182	0.2	0.132	0.091	0.1	0.055	0.0
2	0.531	0.53	0.365	0.4	0.265	0.183	0.2	0.111	0.1
3	0.796	0.79	0.548	0.5	0.397	0.274	0.3	0.166	0.1
4	1.062	1.06	0.730	0.7	0.530	0.366	0.4	0.222	0.2
5	1.327	1.32	0.912	0.9	0.662	0.457	0.4	0.277	0.2
6	1.592	1.58	1.095	1.1	0.795	0.548	0.5	0.332	0.3
7	1.857	1.85	1.278	1.3	0.927	0.640	0.6	0.387	0.3
8	2.122	2.11	1.460	1.4	1.060	0.731	0.7	0.442	0.4
9	2.388	2.38	1.642	1.6	1.192	0.822	0.8	0.497	0.4
10	2.653	2.64	1.825	1.8	1.324	0.914	0.9	0.553	0.5
20	5.305	5.29	3.649	3.6	2.649	1.827	1.8	1.107	1.1
30	7.958	7.93	5.474	5.4	3.973	2.740	2.7	1.660	1.6
40	10.611	10.58	7.298	7.3	5.297	3.654	3.7	2.214	2.2
50	13.263	13.22	9.123	9.1	6.622	4.567	4.6	2.767	2.7
s 10	0.044	0.04	0.030	0.0	0.022	0.015	0.0	0.009	0.0
20	0.088	0.09	0.061	0.1	0.044	0.030	0.0	0.018	0.0
30	0.133	0.13	0.091	0.1	0.066	0.046	0.0	0.028	0.0
40	0.177	0.17	0.122	0.1	0.088	0.061	0.1	0.037	0.0
50	0.221	0.22	0.152	0.2	0.110	0.076	0.1	0.046	0.0

M	Mimas		Enceladus		Dione		Rhea		M
	$\pm(v-M)$	$\log \frac{r}{a}$	$\pm(v-M)$	$\log \frac{r}{a}$	$\pm(v-M)$	$\log \frac{r}{a}$	$\pm(v-M)$	$\log \frac{r}{a}$	
0°	0°.000	9.99167	0°.000	9.99800	0°.000	9.99913	0°.000	9.99961	360°
2	0.078	9.99167	0.018	9.99800	0.008	9.99913	0.004	9.99961	358
4	0.156	9.99169	0.037	9.99800	0.016	9.99913	0.007	9.99961	356
6	0.233	9.99172	0.055	9.99801	0.024	9.99913	0.011	9.99961	354
8	0.310	9.99175	0.074	9.99802	0.032	9.99914	0.014	9.99961	352
10	0.387	9.99180	0.092	9.99803	0.040	9.99914	0.018	9.99961	350
12	0.463	9.99186	0.110	9.99804	0.048	9.99915	0.021	9.99962	348
14	0.539	9.99193	0.128	9.99806	0.056	9.99916	0.025	9.99962	346
16	0.614	9.99201	0.146	9.99808	0.063	9.99916	0.028	9.99962	344
18	0.688	9.99210	0.164	9.99810	0.071	9.99917	0.032	9.99963	342
20	0.762	9.99220	0.181	9.99812	0.079	9.99918	0.035	9.99963	340
22	0.834	9.99230	0.199	9.99814	0.086	9.99919	0.039	9.99964	338
24	0.905	9.99242	0.216	9.99817	0.093	9.99921	0.042	9.99964	336
26	0.975	9.99255	0.232	9.99820	0.101	9.99922	0.045	9.99965	334
28	1.044	9.99269	0.249	9.99823	0.108	9.99923	0.048	9.99966	332
30	1.111	9.99284	0.265	9.99827	0.115	9.99925	0.052	9.99966	330
32	1.177	9.99299	0.281	9.99830	0.122	9.99926	0.055	9.99967	328
34	1.242	9.99316	0.296	9.99834	0.128	9.99928	0.058	9.99968	326
36	1.305	9.99333	0.311	9.99838	0.135	9.99930	0.061	9.99968	324
38	1.366	9.99351	0.326	9.99842	0.141	9.99931	0.064	9.99969	322
40	1.425	9.99370	0.340	9.99847	0.148	9.99933	0.066	9.99970	320
42	1.483	9.99390	0.354	9.99852	0.154	9.99935	0.069	9.99971	318
44	1.538	9.99410	0.368	9.99856	0.159	9.99937	0.072	9.99972	316
46	1.592	9.99431	0.381	9.99861	0.165	9.99940	0.074	9.99973	314
48	1.644	9.99453	0.393	9.99866	0.171	9.99942	0.077	9.99974	312
50	1.693	9.99476	0.405	9.99872	0.176	9.99944	0.079	9.99975	310
52	1.741	9.99499	0.417	9.99877	0.181	9.99947	0.081	9.99976	308
54	1.786	9.99523	0.428	9.99883	0.186	9.99949	0.083	9.99977	306
56	1.829	9.99547	0.438	9.99889	0.190	9.99951	0.085	9.99978	304
58	1.870	9.99572	0.448	9.99895	0.195	9.99954	0.087	9.99979	302
60	1.908	9.99598	0.458	9.99901	0.199	9.99957	0.089	9.99980	300
62	1.944	9.99623	0.467	9.99907	0.203	9.99959	0.091	9.99982	298
64	1.977	9.99650	0.475	9.99913	0.206	9.99962	0.093	9.99983	296
66	2.008	9.99676	0.483	9.99919	0.210	9.99965	0.094	9.99984	294
68	2.036	9.99704	0.490	9.99926	0.213	9.99967	0.096	9.99985	292
70	2.062	9.99731	0.496	9.99932	0.216	9.99970	0.097	9.99987	290
72	2.086	9.99759	0.502	9.99939	0.218	9.99973	0.098	9.99988	288
74	2.106	9.99787	0.508	9.99946	0.220	9.99976	0.099	9.99989	286
76	2.124	9.99815	0.512	9.99952	0.222	9.99979	0.100	9.99991	284
78	2.140	9.99843	0.516	9.99959	0.224	9.99982	0.101	9.99992	282
80	2.153	9.99872	0.520	9.99966	0.226	9.99985	0.102	9.99993	280
82	2.163	9.99900	0.523	9.99973	0.227	9.99988	0.102	9.99995	278
84	2.170	9.99929	0.525	9.99980	0.228	9.99991	0.103	9.99996	276
86	2.175	9.99958	0.526	9.99987	0.229	9.99994	0.103	9.99997	274
88	2.177	9.99987	0.527	9.99994	0.229	9.99997	0.103	9.99999	272
90	2.177	0.00016	0.527	0.00001	0.229	0.00000	0.103	0.00000	270

M	Mimas		Enceladus		Dione		Rhea		M
	$\pm(v-M)$	$\log \frac{r}{a}$	$\pm(v-M)$	$\log \frac{r}{a}$	$\pm(v-M)$	$\log \frac{r}{a}$	$\pm(v-M)$	$\log \frac{r}{a}$	
90°	2°.177	0.00016	0°.527	0.00001	0°.229	0.00000	0°.103	0.00000	270°
92	2.174	0.00044	0.527	0.00008	0.229	0.00003	0.103	0.00001	268
94	2.168	0.00073	0.526	0.00015	0.229	0.00006	0.103	0.00003	266
96	2.159	0.00101	0.524	0.00022	0.228	0.00009	0.103	0.00004	264
98	2.148	0.00130	0.522	0.00029	0.227	0.00012	0.102	0.00005	262
100	2.135	0.00158	0.519	0.00035	0.226	0.00015	0.102	0.00007	260
102	2.119	0.00186	0.515	0.00042	0.224	0.00018	0.101	0.00008	258
104	2.100	0.00214	0.511	0.00049	0.222	0.00021	0.100	0.00009	256
106	2.079	0.00241	0.506	0.00056	0.220	0.00024	0.099	0.00011	254
108	2.055	0.00268	0.500	0.00062	0.218	0.00027	0.098	0.00012	252
110	2.029	0.00295	0.494	0.00069	0.215	0.00030	0.097	0.00013	250
112	2.000	0.00321	0.488	0.00075	0.212	0.00033	0.096	0.00015	248
114	1.969	0.00347	0.480	0.00082	0.209	0.00035	0.094	0.00016	246
116	1.936	0.00373	0.473	0.00088	0.206	0.00038	0.093	0.00017	244
118	1.901	0.00398	0.464	0.00094	0.202	0.00041	0.091	0.00018	242
120	1.863	0.00422	0.455	0.00100	0.198	0.00044	0.089	0.00019	240
122	1.823	0.00446	0.446	0.00106	0.194	0.00046	0.087	0.00021	238
124	1.781	0.00469	0.436	0.00112	0.190	0.00049	0.085	0.00022	236
126	1.737	0.00492	0.425	0.00118	0.185	0.00051	0.083	0.00023	234
128	1.691	0.00514	0.414	0.00123	0.180	0.00053	0.081	0.00024	232
130	1.643	0.00536	0.402	0.00129	0.175	0.00056	0.079	0.00025	230
132	1.593	0.00557	0.390	0.00134	0.170	0.00058	0.077	0.00026	228
134	1.541	0.00577	0.378	0.00139	0.164	0.00060	0.074	0.00027	226
136	1.487	0.00597	0.365	0.00144	0.159	0.00062	0.072	0.00028	224
138	1.431	0.00616	0.351	0.00148	0.153	0.00065	0.069	0.00029	222
140	1.374	0.00634	0.337	0.00153	0.147	0.00067	0.066	0.00030	220
142	1.316	0.00651	0.323	0.00157	0.141	0.00068	0.064	0.00031	218
144	1.256	0.00668	0.308	0.00162	0.134	0.00070	0.061	0.00032	216
146	1.194	0.00683	0.293	0.00166	0.128	0.00072	0.058	0.00032	214
148	1.131	0.00698	0.278	0.00169	0.121	0.00074	0.055	0.00033	212
150	1.067	0.00713	0.262	0.00173	0.114	0.00075	0.052	0.00034	210
152	1.001	0.00726	0.246	0.00176	0.107	0.00077	0.048	0.00034	208
154	0.934	0.00738	0.230	0.00179	0.100	0.00078	0.045	0.00035	206
156	0.867	0.00750	0.213	0.00182	0.093	0.00079	0.042	0.00036	204
158	0.798	0.00760	0.196	0.00185	0.086	0.00080	0.039	0.00036	202
160	0.728	0.00770	0.179	0.00187	0.078	0.00081	0.035	0.00037	200
162	0.658	0.00779	0.162	0.00190	0.071	0.00082	0.032	0.00037	198
164	0.587	0.00787	0.144	0.00192	0.063	0.00083	0.028	0.00037	196
166	0.515	0.00794	0.127	0.00193	0.055	0.00084	0.025	0.00038	194
168	0.442	0.00800	0.109	0.00195	0.048	0.00085	0.021	0.00038	192
170	0.369	0.00805	0.091	0.00196	0.040	0.00085	0.018	0.00038	190
172	0.296	0.00810	0.073	0.00197	0.032	0.00086	0.014	0.00039	188
174	0.222	0.00813	0.055	0.00198	0.024	0.00086	0.011	0.00039	186
176	0.148	0.00815	0.037	0.00199	0.016	0.00086	0.007	0.00039	184
178	0.074	0.00817	0.018	0.00199	0.008	0.00087	0.004	0.00039	182
180	0.000	0.00817	0.000	0.00199	0.000	0.00087	0.000	0.00039	180

Mittlere Zeit Greenwich	ϑ Mimas	ϑ Encel.	ϑ Tethys	ϑ Dione	ϑ Rhea	γ Rhea	N Saturnsring	J Saturnsring	ω Saturnsring
1920 Dez. 21.5	219.°5	37.°5	204.°4	246.°4	72.°6	18.′16	127.°254	6.°836	42.°277
1921 Jan. 6.5	203.5	30.8	201.2	245.0	72.1	18.15	127.256	6.836	42.276
22.5	187.5	24.1	198.0	243.7	71.6	18.15	127.258	6.836	42.274
Febr. 7.5	171.5	17.4	194.8	242.4	71.2	18.14	127.260	6.835	42.273
23.5	155.5	10.7	191.6	241.0	70.7	18.13	127.262	6.835	42.272
März 11.5	139.5	4.1	188.5	239.7	70.2	18.12	127.263	6.835	42.271
27.5	123.5	357.4	185.4	238.3	69.7	18.11	127.265	6.835	42.270
April 12.5	107.5	350.7	182.2	236.9	69.2	18.10	127.267	6.835	42.268
28.5	91.5	344.0	179.0	235.6	68.7	18.09	127.269	6.834	42.267
Mai 14.5	75.5	337.3	175.8	234.2	68.2	18.08	127.270	6.834	42.266
30.5	59.5	330.6	172.6	232.9	67.7	18.07	127.272	6.834	42.265
Juni 15.5	43.5	324.0	169.4	231.5	67.2	18.06	127.274	6.834	42.264
Juli 1.5	27.5	317.3	166.2	230.1	66.7	18.05	127.276	6.834	42.262
17.5	11.5	310.6	163.1	228.8	66.2	18.05	127.278	6.833	42.261
Aug. 2.5	355.5	303.9	160.0	227.4	65.7	18.04	127.279	6.833	42.260
18.5	339.5	297.2	156.8	226.1	65.2	18.03	127.281	6.833	42.258
Sept. 3.5	323.5	290.5	153.6	224.7	64.7	18.02	127.283	6.833	42.257
19.5	307.5	283.9	150.4	223.4	64.2	18.01	127.285	6.833	42.256
Okt. 5.5	291.5	277.2	147.2	222.0	63.7	18.00	127.287	6.832	42.255
21.5	275.4	270.4	144.0	220.6	63.3	17.99	127.288	6.832	42.253
Nov. 6.5	259.4	263.7	140.8	219.2	62.8	17.98	127.290	6.832	42.252
22.5	243.4	257.0	137.6	217.8	62.3	17.97	127.292	6.832	42.251
Dez. 8.5	227.4	250.3	134.4	216.5	61.8	17.96	127.294	6.832	42.250
24.5	211.4	243.6	131.2	215.1	61.3	17.95	127.296	6.831	42.248
40.5	195.4	236.9	128.1	213.8	60.9	17.95	127.297	6.831	42.247

$\log \frac{1}{1+\zeta}$, in Einheiten der 5. Dezimale

u — U		Mimas	Encel.	Tethys	Dione	Rhea	u — U	
0°	360°	−6+	−7+	−9+	−11+	−16+	180°	180°
10	350	−6+	−7+	−9+	−11+	−16+	170	190
20	340	−5+	−7+	−8+	−11+	−15+	160	200
30	330	−5+	−6+	−8+	−10+	−14+	150	210
40	320	−4+	−6+	−7+	− 9+	−12+	140	220
50	310	−3+	−5+	−6+	− 8+	−10+	130	230
60	300	−3+	−4+	−4+	− 6+	− 8+	120	240
70	290	−2+	−3+	−3+	− 4+	− 6+	110	250
80	280	−1+	−1+	−2+	− 2+	− 3+	100	260
90	270	0	0	0	0	0	90	270

Mittlere Zeit Greenwich	TITAN			HYPERION			JAPETUS		
	U	*B*	*P*	*U*	*B*	*P*	*U*	*B*	*P*
1921									
Jan. 0.5	50°.524	+0°.980	−4°.134	45°.672	+0°.464	−4°.398	124°.858	+7°.830	+8°.195
2.5	50.535	0.975	4.130	45.684	0.459	4.397	124.869	7.824	8.197
4.5	50.540	0.966	4.128	45.689	0.450	4.397	124.872	7.816	8.198
6.5	50.540	0.954	4.129	45.687	0.439	4.398	124.866	7.806	8.198
8.5	50.534	0.940	4.132	45.679	0.425	4.399	124.853	7.794	8.197
10.5	50.520	+0.925	−4.134	45.665	+0.408	−4.400	124.835	+7.780	+8.194
12.5	50.500	0.906	4.136	45.644	0.388	4.402	124.811	7.764	8.189
14.5	50.472	0.883	4.139	45.617	0.365	4.405	124.781	7.746	8.183
16.5	50.437	0.856	4.142	45.584	0.338	4.408	124.745	7.726	8.175
18.5	50.397	0.826	4.145	45.545	0.308	4.411	124.703	7.704	8.166
20.5	50.351	+0.792	−4.149	45.499	+0.274	−4.415	124.653	+7.680	+8.155
22.5	50.299	0.755	4.154	45.447	0.236	4.419	124.595	7.655	8.143
24.5	50.241	0.714	4.160	45.389	0.194	4.424	124.529	7.628	8.130
26.5	50.178	0.670	4.165	45.325	0.149	4.429	124.457	7.600	8.115
28.5	50.109	0.624	4.171	45.256	0.102	4.434	124.379	7.570	8.099
30.5	50.034	+0.576	−4.178	45.182	+0.054	−4.441	124.294	+7.538	+8.081
Febr. 1.5	49.953	0.525	4.186	45.102	+0.005	4.448	124.203	7.505	8.061
3.5	49.867	0.472	4.193	45.017	−0.046	4.455	124.106	7.471	8.041
5.5	49.777	0.416	4.201	44.926	0.101	4.462	124.004	7.436	8.020
7.5	49.682	0.358	4.210	44.830	0.159	4.470	123.899	7.400	7.999
9.5	49.582	+0.299	−4.219	44.730	−0.219	−4.478	123.789	+7.363	+7.978
11.5	49.478	0.238	4.228	44.625	0.282	4.486	123.674	7.325	7.956
13.5	49.370	0.174	4.238	44.515	0.347	4.495	123.554	7.286	7.932
15.5	49.257	0.108	4.248	44.402	0.414	4.505	123.430	7.246	7.907
17.5	49.140	+0.040	4.258	44.286	0.482	4.515	123.300	7.206	7.880
19.5	49.019	−0.029	−4.268	44.166	−0.551	−4.525	123.167	+7.164	+7.852
21.5	48.895	0.100	4.279	44.043	0.622	4.535	123.030	7.122	7.824
23.5	48.768	0.173	4.290	43.917	0.694	4.545	122.891	7.078	7.796
25.5	48.638	0.246	4.302	43.787	0.768	4.556	122.750	7.034	7.767
27.5	48.506	0.320	4.314	43.655	0.843	4.566	122.606	6.989	7.737
März 1.5	48.372	−0.394	−4.326	43.521	−0.918	−4.577	122.459	+6.944	+7.707
3.5	48.237	0.469	4.339	43.386	0.993	4.587	122.310	6.899	7.676
5.5	48.100	0.545	4.351	43.250	1.068	4.598	122.159	6.854	7.645
7.5	47.963	0.621	4.363	43.113	1.143	4.608	122.007	6.809	7.614
9.5	47.825	0.696	4.375	42.975	1.219	4.619	121.854	6.764	7.582
11.5	47.686	−0.771	−4.387	42.836	−1.295	−4.630	121.701	+6.719	+7.550
13.5	47.547	0.845	4.398	42.697	1.371	4.641	121.549	6.673	7.518
15.5	47.408	0.919	4.410	42.558	1.447	4.652	121.397	6.628	7.486
17.5	47.269	0.992	4.421	42.419	1.522	4.663	121.246	6.584	7.454
19.5	47.130	1.065	4.434	42.281	1.596	4.674	121.095	6.541	7.422

Mittlere Zeit Greenwich	TITAN			HYPERION			JAPETUS		
	U	B	P	U	B	P	U	B	P
1921	°	°	°	°	°	°	°	°	°
März 19.5	47.130	—1.065	—4.434	42.281	—1.596	—4.674	121.095	+6.541	+7.422
21.5	46.991	1.138	4.446	42.143	1.669	4.685	120.945	6.498	7.390
23.5	46.854	1.210	4.459	42.007	1.741	4.696	120.797	6.457	7.359
25.5	46.719	1.280	4.471	41.872	1.811	4.706	120.650	6.416	7.328
27.5	46.586	1.349	4.482	41.739	1.880	4.716	120.506	6.376	7.297
29.5	46.456	—1.417	—4.493	41.608	—1.948	—4.726	120.364	+6.336	+7.267
31.5	46.328	1.483	4.504	41.480	2.014	4.736	120.224	6.297	7.237
April 2.5	46.202	1.548	4.514	41.354	2.078	4.746	120.088	6.260	7.208
4.5	46.080	1.611	4.525	41.231	2.140	4.756	119.955	6.223	7.179
6.5	45.961	1.671	4.535	41.112	2.200	4.765	119.825	6.188	7.152
8.5	45.845	—1.729	—4.545	40.996	—2.258	—4.775	119.699	+6.154	+7.125
10.5	45.733	1.785	4.555	40.884	2.314	4.784	119.578	6.122	7.100
12.5	45.625	1.838	4.564	40.777	2.368	4.792	119.462	6.093	7.075
14.5	45.522	1.889	4.573	40.673	2.419	4.799	119.350	6.065	7.052
16.5	45.423	1.937	4.582	40.574	2.468	4.806	119.243	6.039	7.029
18.5	45.328	—1.982	—4.590	40.479	—2.514	—4.813	119.141	+6.014	+7.007
20.5	45.238	2.024	4.598	40.389	2.557	4.820	119.044	5.990	6.986
22.5	45.152	2.064	4.605	40.303	2.597	4.826	118.952	5.967	6.966
24.5	45.071	2.100	4.612	40.222	2.634	4.832	118.866	5.947	6.947
26.5	44.995	2.134	4.619	40.146	2.668	4.838	118.785	5.928	6.929
28.5	44.924	—2.165	—4.625	40.076	—2.699	—4.844	118.710	+5.910	+6.913
30.5	44.859	2.193	4.630	40.011	2.728	4.849	118.641	5.895	6.898
Mai 2.5	44.800	2.218	4.635	39.952	2.754	4.855	118.578	5.882	6.885
4.5	44.746	2.240	4.640	39.898	2.776	4.860	118.521	5.871	6.873
6.5	44.698	2.258	4.643	39.850	2.795	4.863	118.471	5.863	6.862
8.5	44.657	—2.273	—4.646	39.809	—2.810	—4.865	118.428	+5.856	+6.853
10.5	44.621	2.285	4.649	39.773	2.823	4.867	118.391	5.851	6.845
12.5	44.592	2.294	4.652	39.743	2.832	4.869	118.360	5.848	6.838
14.5	44.568	2.300	4.653	39.719	2.838	4.871	118.336	5.848	6.833
16.5	44.551	2.303	4.654	39.701	2.841	4.872	118.319	5.849	6.829
18.5	44.541	—2.303	—4.655	39.689	—2.840	—4.873	118.308	+5.853	+6.827
20.5	44.536	2.300	4.656	39.684	2.836	4.874	118.303	5.858	6.825
22.5	44.537	2.293	4.656	39.684	2.829	4.874	118.305	5.865	6.825
24.5	44.543	2.283	4.655	39.690	2.818	4.873	118.314	5.875	6.827
26.5	44.555	2.270	4.654	39.702	2.804	4.873	118.329	5.887	6.830
28.5	44.574	—2.253	—4.653	39.720	—2.786	—4.872	118.350	+5.900	+6.834
30.5	44.598	2.233	4.650	39.745	2.766	4.870	118.379	5.915	6.840
Juni 1.5	44.629	2.209	4.647	39.776	2.742	4.867	118.414	5.931	6.848
3.5	44.665	2.182	4.644	39.813	2.716	4.864	118.456	5.950	6.857
5.5	44.707	2.152	4.641	39.855	2.686	4.861	118.504	5.970	6.868

Mittlere Zeit Greenwich	TITAN			HYPERION			JAPETUS		
	U	*B*	*P*	*U*	*B*	*P*	*U*	*B*	*P*
1921	°	°	°	°	°	°	°	°	°
Juni 5.5	44.707	−2.152	−4.641	39.855	−2.686	−4.861	118.504	+ 5.970	+ 6.868
7.5	44.754	2.119	4.637	39.902	2.653	4.858	118.559	5.992	6.880
9.5	44.808	2.083	4.632	39.955	2.617	4.854	118.620	6.016	6.893
11.5	44.867	2.044	4.627	40.014	2.578	4.850	118.687	6.042	6.907
13.5	44.933	2.002	4.622	40.080	2.536	4.846	118.761	6.070	6.923
15.5	45.005	−1.957	−4.615	40.151	−2.492	−4.840	118.841	+ 6.100	+ 6.940
17.5	45.082	1.910	4.608	40.229	2.444	4.833	118.927	6.131	6.958
19.5	45.165	1.860	4.601	40.312	2.394	4.827	119.019	6.164	6.978
21.5	45.254	1.808	4.594	40.400	2.340	4.820	119.117	6.198	6.999
23.5	45.347	1.753	4.586	40.493	2.283	4.812	119.221	6.233	7.022
25.5	45.445	−1.695	−4.577	40.592	−2.224	−4.804	119.330	+ 6.270	+ 7.045
27.5	45.548	1.635	4.568	40.696	2.162	4.796	119.445	6.308	7.069
29.5	45.657	1.572	4.559	40.804	2.098	4.788	119.565	6.348	7.095
Juli 1.5	45.771	1.506	4.549	40.917	2.032	4.780	119.691	6.389	7.122
3.5	45.889	1.438	4.539	41.035	1.964	4.771	119.822	6.432	7.150
5.5	46.012	−1.367	−4.529	41.157	−1.894	−4.762	119.958	+ 6.476	+ 7.179
7.5	46.140	1.294	4.518	41.283	1.820	4.753	120.099	6.522	7.209
9.5	46.273	1.217	4.506	41.415	1.743	4.743	120.245	6.569	7.240
11.5	46.411	1.138	4.494	41.552	1.664	4.732	120.396	6.618	7.272
13.5	46.553	1.057	4.482	41.693	1.583	4.721	120.552	6.668	7.305
Nov. 28.5	60.085	+5.812	−3.231	55.174	+5.362	−3.594	135.440	+10.404	+10.214
30.5	60.230	5.875	3.217	55.318	5.426	3.582	135.598	10.433	10.242
Dez. 2.5	60.371	5.936	3.204	55.457	5.488	3.570	135.750	10.460	10.269
4.5	60.507	+5.994	−3.191	55.592	+5.548	−3.558	135.897	+10.486	+10.296
6.5	60.638	6.050	3.178	55.722	5.604	3.546	136.039	10.510	10.321
8.5	60.763	6.103	3.166	55.848	5.658	3.535	136.176	10.532	10.345
10.5	60.883	6.154	3.155	55.968	5.710	3.524	136.307	10.552	10.369
12.5	60.998	6.203	3.143	56.082	5.758	3.513	136.432	10.571	10.391
14.5	61.108	+6.248	−3.132	56.191	+5.804	−3.503	136.552	+10.588	+10.412
16.5	61.213	6.290	3.122	56.295	5.846	3.494	136.665	10.604	10.432
18.5	61.312	6.328	3.112	56.394	5.886	3.486	136.772	10.620	10.451
20.5	61.406	6.363	3.102	56.488	5.922	3.477	136.873	10.634	10.469
22.5	61.493	6.396	3.093	56.575	5.956	3.469	136.967	10.646	10.485
24.5	61.574	+6.425	−3.084	56.656	+5.987	−3.462	137.053	+10.656	+10.500
26.5	61.649	6.452	3.077	56.730	6.015	3.455	137.133	10.664	10.513
28.5	61.717	6.476	3.071	56.797	6.038	3.449	137.207	10.670	10.525
30.5	61.779	6.496	3.065	56.859	6.058	3.443	137.273	10.676	10.537
32.5	61.837	6.514	3.059	56.915	6.076	3.437	137.331	10.680	10.547

Mittlere Zeit Greenwich	TITAN $\alpha_{tr}-\alpha_{pl}$		TITAN $\delta_{tr}-\delta_{pl}$		HYPERION $\alpha_{tr}-\alpha_{pl}$		HYPERION $\delta_{tr}-\delta_{pl}$		JAPETUS $\alpha_{tr}-\alpha_{pl}$		JAPETUS $\delta_{tr}-\delta_{pl}$	
1921	s	s	″	″	s	s	″	″	s	s	″	″
Jan. 0.5	+11.01	−2.83	+10.7	−4.1	− 2.83	−4.48	− 4.9	−5.0	+22.13	−2.32	−103.2	+1.3
1.5	+ 8.18	−4.21	+ 6.6	−5.3	− 7.31	−3.64	− 9.9	−3.7	+19.81	−2.46	−101.9	+2.0
2.5	+ 3.97	−4.87	+ 1.3	−5.4	−10.95	−2.43	−13.6	−2.2	+17.35	−2.58	− 99.9	+2.7
3.5	− 0.90	−4.76	− 4.1	−4.8	−13.38	−0.91	−15.8	−0.6	+14.77	−2.69	− 97.2	+3.3
4.5	− 5.66	−3.90	− 8.9	−3.5	−14.29	+0.49	−16.4	+1.1	+12.08	−2.78	− 93.9	+4.0
5.5	− 9.56	−2.49	−12.4	−1.6	−13.80	+1.76	−15.3	+2.5	+ 9.30	−2.84	− 89.9	+4.7
6.5	−12.05	−0.75	−14.0	+0.3	−12.04	+2.80	−12.8	+3.6	+ 6.46	−2.89	− 85.2	+5.3
7.5	−12.80	+1.07	−13.7	+2.3	− 9.24	+3.53	− 9.2	+4.3	+ 3.57	−2.93	− 79.9	+5.8
8.5	−11.73	+2.73	−11.4	+3.9	− 5.71	+3.96	− 4.9	+4.7	+ 0.64	−2.96	− 74.1	+6.3
9.5	− 9.00	+4.02	− 7.5	+5.0	− 1.75	+4.10	− 0.2	+4.7	− 2.32	−2.98	− 67.8	+6.8
10.5	− 4.98	+4.74	− 2.5	+5.3	+ 2.35	+3.95	+ 4.5	+4.4	− 5.30	−2.95	− 61.0	+7.3
11.5	− 0.24	+4.79	+ 2.8	+4.9	+ 6.30	+3.56	+ 8.9	+3.8	− 8.25	−2.88	− 53.7	+7.7
12.5	+ 4.55	+4.11	+ 7.7	+3.8	+ 9.86	+2.91	+12.7	+3.1	−11.13	−2.81	− 46.0	+8.1
13.5	+ 8.66	+2.76	+11.5	+2.0	+12.77	+2.08	+15.8	+2.0	−13.94	−2.74	− 37.9	+8.3
14.5	+11.42	+0.91	+13.5	−0.2	+14.85	+1.04	+17.8	+0.8	−16.68	−2.62	− 29.6	+8.6
15.5	+12.33	−1.13	+13.3	−2.4	+15.89	−0.15	+18.6	−0.6	−19.30	−2.50	− 21.0	+8.7
16.5	+11.20	−3.02	+10.9	−4.1	+15.74	−1.41	+18.0	−2.0	−21.80	−2.37	− 12.3	+8.8
17.5	+ 8.18	−4.39	+ 6.8	−5.3	+14.33	−2.65	+16.0	−3.3	−24.17	−2.21	− 3.5	+8.9
18.5	+ 3.79	−5.03	+ 1.5	−5.5	+11.68	−3.77	+12.7	−4.5	−26.38	−2.03	+ 5.4	+8.9
19.5	− 1.24	−4.86	− 4.0	−4.9	+ 7.91	−4.59	+ 8.2	−5.3	−28.41	−1.84	+ 14.3	+8.7
20.5	− 6.10	−3.92	− 8.9	−3.6	+ 3.32	−4.98	+ 2.9	−5.7	−30.25	−1.65	+ 23.0	+8.6
21.5	−10.02	−2.45	−12.5	−1.8	− 1.66	−4.79	− 2.8	−5.4	−31.90	−1.44	+ 31.6	+8.3
22.5	−12.47	−0.64	−14.3	+0.3	− 6.45	−4.05	− 8.2	−4.5	−33.34	−1.21	+ 39.9	+8.0
23.5	−13.11	+1.22	−14.0	+2.1	−10.50	−2.83	−12.7	−3.0	−34.55	−0.99	+ 47.9	+7.8
24.5	−11.89	+2.92	−11.9	+3.9	−13.33	−1.37	−15.7	−1.4	−35.54	−0.77	+ 55.7	+7.5
25.5	− 8.97	+4.19	− 8.0	+5.0	−14.70	+0.14	−17.1	+0.4	−36.31	−0.53	+ 63.2	+7.1
26.5	− 4.78	+4.90	− 3.0	+5.4	−14.56	+1.52	−16.7	+1.9	−36.84	−0.28	+ 70.3	+6.6
27.5	+ 0.12	+4.89	+ 2.4	+5.0	−13.04	+2.65	−14.8	+3.1	−37.12	−0.05	+ 76.9	+6.0
28.5	+ 5.01	+4.13	+ 7.4	+3.9	−10.39	+3.49	−11.7	+4.0	−37.17	+0.19	+ 82.9	+5.5
29.5	+ 9.14	+2.70	+11.3	+2.3	− 6.90	+4.01	− 7.7	+4.6	−36.98	+0.43	+ 88.4	+4.9
30.5	+11.84	+0.77	+13.6	+0.1	− 2.89	+4.23	− 3.1	+4.8	−36.55	+0.66	+ 93.3	+4.3
31.5	+12.61	−1.32	+13.7	−2.1	+ 1.34	+4.15	+ 1.7	+4.7	−35.89	+0.90	+ 97.6	+3.7
Febr. 1.5	+11.29	−3.25	+11.6	−4.0	+ 5.49	+3.79	+ 6.4	+4.3	−34.99	+1.11	+101.3	+3.0
2.5	+ 8.04	−4.58	+ 7.6	−5.3	+ 9.28	+3.20	+10.7	+3.7	−33.88	+1.34	+104.3	+2.3
3.5	+ 3.46	−5.17	+ 2.3	−5.6	+12.48	+2.38	+14.4	+2.8	−32.54	+1.54	+106.6	+1.6
4.5	− 1.71	−4.91	− 3.3	−5.2	+14.86	+1.36	+17.2	+1.6	−31.00	+1.74	+108.2	+0.9
5.5	− 6.62	−3.90	− 8.5	−3.9	+16.22	+0.17	+18.8	+0.4	−29.26	+1.92	+109.1	+0.3
6.5	−10.52	−2.35	−12.4	−2.1	+16.39	−1.12	+19.2	−1.1	−27.34	+2.07	+109.4	−0.3
7.5	−12.87	−0.49	−14.5	−0.1	+15.27	−2.43	+18.1	−2.7	−25.27	+2.25	+109.1	−1.1
8.5	−13.36		−14.6		+12.84		+15.4		−23.02		+108.0	

Mittlere Zeit Greenwich	TITAN $\alpha_{tr}-\alpha_{pl}$		TITAN $\delta_{tr}-\delta_{pl}$		HYPERION $\alpha_{tr}-\alpha_{pl}$		HYPERION $\delta_{tr}-\delta_{pl}$		JAPETUS $\alpha_{tr}-\alpha_{pl}$		JAPETUS $\delta_{tr}-\delta_{pl}$	
1921	s	s	″	″	s	s	″	″	s	s	″	″
Febr. 8.5	−13.36	+1.42	−14.6	+1.9	+12.84	−3.64	+15.4	−3.9	−23.02	+2.39	+108.0	−1.7
9.5	−11.94	+3.11	−12.7	+3.7	+ 9.20	−4.54	+11.5	−5.1	−20.63	+2.52	+106.3	−2.3
10.5	− 8.83	+4.40	− 9.0	+4.9	+ 4.66	−5.08	+ 6.4	−5.8	−18.11	+2.64	+104.0	−3.0
11.5	− 4.43	+5.00	− 4.1	+5.5	− 0.42	−5.04	+ 0.6	−5.9	−15.47	+2.74	+101.0	−3.6
12.5	+ 0.57	+4.95	+ 1.4	+5.3	− 5.46	−4.40	− 5.3	−5.3	−12.73	+2.81	+ 97.4	−4.2
13.5	+ 5.52	+4.11	+ 6.7	+4.3	− 9.86	−3.25	−10.6	−4.2	− 9.92	+2.88	+ 93.2	−4.7
14.5	+ 9.63	+2.58	+11.0	+2.7	−13.11	−1.78	−14.8	−2.5	− 7.04	+2.93	+ 88.5	−5.3
15.5	+12.21	+0.59	+13.7	+0.5	−14.89	−0.24	−17.3	−0.9	− 4.11	+2.96	+ 83.2	−5.8
16.5	+12.80	−1.54	+14.2	−1.7	−15.13	+1.26	−18.2	+0.8	− 1.15	+2.97	+ 77.4	−6.3
17.5	+11.26	−3.44	+12.5	−3.8	−13.87	+2.48	−17.4	+2.3	+ 1.82	+2.96	+ 71.1	−6.6
18.5	+ 7.82	−4.75	+ 8.7	−5.2	−11.39	+3.41	−15.1	+3.5	+ 4.78	+2.95	+ 64.5	−7.1
19.5	+ 3.07	−5.27	+ 3.5	−5.7	− 7.98	+4.02	−11.6	+4.3	+ 7.73	+2.91	+ 57.4	−7.4
20.5	− 2.20	−4.93	− 2.2	−5.5	− 3.96	+4.29	− 7.3	+4.8	+10.64	+2.85	+ 50.0	−7.6
21.5	− 7.13	−3.84	− 7.7	−4.3	+ 0.33	+4.28	− 2.5	+5.0	+13.49	+2.78	+ 42.4	−7.8
22.5	−10.97	−2.21	−12.0	−2.6	+ 4.61	+4.00	+ 2.5	+4.9	+16.27	+2.68	+ 34.6	−8.1
23.5	−13.18	−0.30	−14.6	−0.7	+ 8.61	+3.43	+ 7.4	+4.4	+18.95	+2.57	+ 26.5	−8.2
24.5	−13.48	+1.63	−15.3	+1.5	+12.04	+2.62	+11.8	+3.8	+21.52	+2.44	+ 18.3	−8.3
25.5	−11.85	+3.30	−13.8	+3.4	+14.66	+1.62	+15.6	+2.7	+23.96	+2.30	+ 10.0	−8.3
26.5	− 8.55	+4.53	−10.4	+4.8	+16.28	+0.48	+18.3	+1.5	+26.26	+2.15	+ 1.7	−8.3
27.5	− 4.02	+5.12	− 5.6	+5.6	+16.76	−0.81	+19.8	+0.1	+28.41	+1.98	− 6.6	−8.3
28.5	+ 1.10	+4.95	0.0	+5.6	+15.95	−2.14	+19.9	−1.5	+30.39	+1.80	− 14.9	−8.1
März 1.5	+ 6.05	+4.02	+ 5.6	+4.8	+13.81	−3.41	+18.4	−3.1	+32.19	+1.60	− 23.0	−7.9
2.5	+10.07	+2.42	+10.4	+3.3	+10.40	−4.45	+15.3	−4.6	+33.79	+1.40	− 30.9	−7.7
3.5	+12.49	+0.38	+13.7	+1.1	+ 5.95	−5.08	+10.7	−5.7	+35.19	+1.18	− 38.6	−7.4
4.5	+12.87	−1.77	+14.8	−1.2	+ 0.87	−5.19	+ 5.0	−6.3	+36.37	+0.95	− 46.0	−7.0
5.5	+11.10	−3.65	+13.6	−3.5	− 4.32	−4.67	− 1.3	−6.2	+37.32	+0.73	− 53.0	−6.7
6.5	+ 7.45	−4.88	+10.1	−5.1	− 8.99	−3.61	− 7.5	−5.4	+38.05	+0.48	− 59.7	−6.3
7.5	+ 2.57	−5.32	+ 5.0	−5.9	−12.60	−2.17	−12.9	−3.9	+38.53	+0.23	− 66.0	−5.8
8.5	− 2.75	−4.89	− 0.9	−5.8	−14.77	−0.58	−16.8	−2.4	+38.76	−0.02	− 71.8	−5.4
9.5	− 7.64	−3.71	− 6.7	−4.9	−15.35	+0.94	−19.2	−0.6	+38.74	−0.26	− 77.2	−4.9
10.5	−11.35	−2.03	−11.6	−3.2	−14.41	+2.25	−19.8	+1.2	+38.48	−0.51	− 82.1	−4.4
11.5	−13.38	−0.08	−14.8	−1.1	−12.16	+3.25	−18.6	+2.8	+37.97	−0.76	− 86.5	−3.7
12.5	−13.46	+1.84	−15.9	+1.0	− 8.91	+3.94	−15.8	+3.8	+37.21	−1.01	− 90.2	−3.1
13.5	−11.62	+3.48	−14.9	+3.0	− 4.97	+4.29	−12.0	+4.7	+36.20	−1.24	− 93.3	−2.4
14.5	− 8.14	+4.64	−11.9	+4.7	− 0.68	+4.34	− 7.3	+5.2	+34.96	−1.47	− 95.7	−1.7
15.5	− 3.50	+5.16	− 7.2	+5.7	+ 3.66	+4.09	− 2.1	+5.3	+33.49	−1.69	− 97.4	−1.0
16.5	+ 1.66	+4.89	− 1.5	+6.0	+ 7.75	+3.59	+ 3.2	+5.1	+31.80	−1.92	− 98.4	−0.4
17.5	+ 6.55	+3.88	+ 4.5	+5.4	+11.34	+2.86	+ 8.3	+4.7	+29.88	−2.12	− 98.8	+0.3
18.5	+10.43	+2.22	+ 9.9	+3.8	+14.20	+1.91	+13.0	+3.9	+27.76	−2.33	− 98.5	+0.9
19.5	+12.65		+13.7		+16.11		+16.9		+25.43		− 97.6	

Mittlere Zeit Greenwich	TITAN $\alpha_{tr} - \alpha_{pl}$	Diff.	TITAN $\delta_{tr} - \delta_{pl}$	Diff.	HYPERION $\alpha_{tr} - \alpha_{pl}$	Diff.	HYPERION $\delta_{tr} - \delta_{pl}$	Diff.	JAPETUS $\alpha_{tr} - \alpha_{pl}$	Diff.	JAPETUS $\delta_{tr} - \delta_{pl}$	Diff.
1921	"	"	"	"	"	"	"	"	"	"	"	"
März 19.5	+12.65	+0.14	+13.7	+1.7	+16.11	+0.75	+16.9	+2.8	+25.43	−2.50	−97.6	+1.6
20.5	+12.79	−1.99	+15.4	−0.7	+16.86	−0.51	+19.7	+1.4	+22.93	−2.65	−96.0	+2.3
21.5	+10.80	−3.81	+14.7	−3.2	+16.35	−1.84	+21.1	−0.3	+20.28	−2.78	−93.7	+3.0
22.5	+ 6.99	−4.98	+11.5	−5.1	+14.51	−3.11	+20.8	−2.0	+17.50	−2.90	−90.7	+3.6
23.5	+ 2.01	−5.30	+ 6.4	−6.1	+11.40	−4.21	+18.8	−3.8	+14.60	−3.01	−87.1	+4.2
24.5	− 3.29	−4.78	+ 0.3	−6.2	+ 7.19	−4.97	+15.0	−5.4	+11.59	−3.09	−82.9	+4.7
25.5	− 8.07	−3.54	− 5.9	−5.3	+ 2.22	−5.21	+ 9.6	−6.4	+ 8.50	−3.14	−78.2	+5.2
26.5	−11.61	−1.82	−11.2	−3.7	− 2.99	−4.85	+ 3.2	−6.9	+ 5.36	−3.18	−73.0	+5.7
27.5	−13.43	+0.14	−14.9	−1.7	− 7.84	−3.91	− 3.7	−6.4	+ 2.18	−3.19	−67.3	+6.2
28.5	−13.29	+2.02	−16.6	+0.5	−11.75	−2.54	−10.1	−5.3	− 1.01	−3.18	−61.1	+6.6
29.5	−11.27	+3.63	−16.1	+2.8	−14.29	−0.97	−15.4	−3.8	− 4.19	−3.15	−54.5	+6.9
30.5	− 7.64	+4.70	−13.3	+4.7	−15.26	+0.58	−19.2	−1.9	− 7.34	−3.09	−47.6	+7.3
31.5	− 2.94	+5.13	− 8.6	+5.9	−14.68	+1.93	−21.1	0.0	−10.43	−3.01	−40.3	+7.5
April 1.5	+ 2.19	+4.78	− 2.7	+6.3	−12.75	+3.01	−21.1	+1.7	−13.44	−2.90	−32.8	+7.6
2.5	+ 6.97	+3.70	+ 3.6	+5.8	− 9.74	+3.77	−19.4	+3.2	−16.34	−2.79	−25.2	+7.8
3.5	+10.67	+1.99	+ 9.4	+4.4	− 5.97	+4.19	−16.2	+4.3	−19.13	−2.66	−17.4	+7.9
4.5	+12.66	−0.08	+13.8	+2.2	− 1.78	+4.31	−11.9	+5.1	−21.79	−2.49	− 9.5	+7.9
5.5	+12.58	−2.18	+16.0	−0.4	+ 2.53	+4.13	− 6.8	+5.6	−24.28	−2.32	− 1.6	+7.8
6.5	+10.40	−3.93	+15.6	−3.0	+ 6.66	+3.71	− 1.2	+5.8	−26.60	−2.13	+ 6.2	+7.7
7.5	+ 6.47	−5.00	+12.6	−5.0	+10.37	+3.02	+ 4.6	+5.4	−28.73	−1.93	+13.9	+7.6
8.5	+ 1.47	−5.23	+ 7.6	−6.3	+13.39	+2.12	+10.0	+4.8	−30.66	−1.70	+21.5	+7.4
9.5	− 3.76	−4.63	+ 1.3	−6.5	+15.51	+1.06	+14.8	+3.8	−32.36	−1.48	+28.9	+7.2
10.5	− 8.39	−3.34	− 5.2	−5.7	+16.57	−0.15	+18.6	+2.6	−33.84	−1.25	+36.1	+6.8
11.5	−11.73	−1.60	−10.9	−4.2	+16.42	−1.46	+21.2	+0.9	−35.09	−1.02	+42.9	+6.5
12.5	−13.33	+0.33	−15.1	−2.1	+14.96	−2.73	+22.1	−0.9	−36.11	−0.77	+49.4	+6.1
13.5	−13.00	+2.18	−17.2	+0.4	+12.23	−3.87	+21.2	−2.9	−36.88	−0.51	+55.5	+5.7
14.5	−10.82	+3.70	−16.8	+2.6	+ 8.36	−4.72	+18.3	−4.7	−37.39	−0.27	+61.2	+5.2
15.5	− 7.12	+4.71	−14.2	+4.7	+ 3.64	−5.10	+13.6	−6.2	−37.66	−0.02	+66.4	+4.8
16.5	− 2.41	+5.04	− 9.5	+6.0	− 1.46	−4.93	+ 7.4	−7.1	−37.68	+0.23	+71.2	+4.3
17.5	+ 2.63	+4.63	− 3.5	+6.6	− 6.39	−4.15	+ 0.3	−7.2	−37.45	+0.48	+75.5	+3.8
18.5	+ 7.26	+3.51	+ 3.1	+6.1	−10.54	−2.91	− 6.9	−6.4	−36.97	+0.71	+79.3	+3.3
19.5	+10.77	+1.77	+ 9.2	+4.7	−13.45	−1.39	−13.3	−4.9	−36.26	+0.93	+82.6	+2.7
20.5	+12.54	−0.28	+13.9	+2.4	−14.84	+0.15	−18.2	−3.0	−35.33	+1.16	+85.3	+2.1
21.5	+12.26	−2.33	+16.3	−0.2	−14.69	+1.54	−21.2	−1.2	−34.17	+1.37	+87.4	+1.6
22.5	+ 9.93	−3.98	+16.1	−2.9	−13.15	+2.67	−22.4	+0.8	−32.80	+1.57	+89.0	+1.0
23.5	+ 5.95	−4.96	+13.2	−5.1	−10.48	+3.50	−21.6	+2.5	−31.23	+1.75	+90.0	+0.4
24.5	+ 0.99	−5.11	+ 8.1	−6.3	− 6.98	+4.00	−19.1	+3.8	−29.48	+1.93	+90.4	−0.1
25.5	− 4.12	−4.46	+ 1.8	−6.7	− 2.98	+4.19	−15.3	+4.9	−27.55	+2.09	+90.3	−0.7
26.5	− 8.58	−3.14	− 4.9	−5.9	+ 1.21	+4.10	−10.4	+5.6	−25.46	+2.25	+89.6	−1.2
27.5	−11.72		−10.8		+ 5.31		− 4.8		−23.21		+88.4	

Mittlere Zeit Greenwich	TITAN $\alpha_{tr}-\alpha_{pl}$		TITAN $\delta_{tr}-\delta_{pl}$		HYPERION $\alpha_{tr}-\alpha_{pl}$		HYPERION $\delta_{tr}-\delta_{pl}$		JAPETUS $\alpha_{tr}-\alpha_{pl}$		JAPETUS $\delta_{tr}-\delta_{pl}$	
1921	s	s	″	″	s	s	″	″	s	s	″	″
April 27.5	−11.72	−1.39	−10.8	−4.4	+ 5.31	+3.75	− 4.8	+5.8	−23.21	+2.37	+88.4	−1.7
28.5	−13.11	+0.49	−15.2	−2.2	+ 9.06	+3.17	+ 1.0	+5.9	−20.84	+2.49	+86.7	−2.3
29.5	−12.62	+2.28	−17.4	+0.3	+12.23	+2.36	+ 6.9	+5.4	−18.35	+2.59	+84.4	−2.7
30.5	−10.34	+3.73	−17.1	+2.6	+14.59	+1.37	+12.3	+4.6	−15.76	+2.68	+81.7	−3.2
Mai 1.5	− 6.61	+4.66	−14.5	+4.7	+15.96	+0.22	+16.9	+3.4	−13.08	+2.74	+78.5	−3.6
2.5	− 1.95	+4.92	− 9.8	+6.1	+16.18	−1.02	+20.3	+1.8	−10.34	+2.80	+74.9	−4.0
3.5	+ 2.97	+4.46	− 3.7	+6.5	+15.16	−2.27	+22.1	0.0	− 7.54	+2.83	+70.9	−4.5
4.5	+ 7.43	+3.31	+ 2.8	+6.3	+12.89	−3.42	+22.1	−2.0	− 4.71	+2.85	+66.4	−4.7
5.5	+10.74	+1.57	+ 9.1	+4.8	+ 9.47	−4.37	+20.1	−3.9	− 1.86	+2.86	+61.7	−5.1
6.5	+12.31	−0.43	+13.9	+2.4	+ 5.10	−4.90	+16.2	−5.7	+ 1.00	+2.83	+56.6	−5.4
7.5	+11.88	−2.42	+16.3	−0.2	+ 0.20	−4.90	+10.5	−6.9	+ 3.83	+2.80	+51.2	−5.7
8.5	+ 9.46	−3.99	+16.1	−2.9	− 4.70	−4.32	+ 3.6	−7.3	+ 6.63	+2.75	+45.5	−5.9
9.5	+ 5.47	−4.88	+13.2	−5.1	− 9.02	−3.24	− 3.7	−6.9	+ 9.38	+2.70	+39.6	−6.1
10.5	+ 0.59	−4.96	+ 8.1	−6.4	−12.26	−1.85	−10.6	−5.7	+12.08	+2.62	+33.5	−6.2
11.5	− 4.37	−4.28	+ 1.7	−6.6	−14.11	−0.33	−16.3	−3.9	+14.70	+2.52	+27.3	−6.4
12.5	− 8.65	−2.94	− 4.9	−5.9	−14.44	+1.05	−20.2	−1.9	+17.22	+2.41	+20.9	−6.5
13.5	−11.59	−1.23	−10.8	−4.3	−13.39	+2.25	−22.1	−0.1	+19.63	+2.29	+14.4	−6.6
14.5	−12.82	+0.62	−15.1	−2.1	−11.14	+3.14	−22.2	+1.8	+21.92	+2.14	+ 7.8	−6.6
15.5	−12.20	+2.33	−17.2	+0.3	− 8.00	+3.72	−20.4	+3.3	+24.06	+1.98	+ 1.2	−6.5
16.5	− 9.87	+3.71	−16.9	+2.7	− 4.28	+4.01	−17.1	+4.5	+26.04	+1.82	− 5.3	−6.5
17.5	− 6.16	+4.58	−14.2	+4.7	− 0.27	+4.01	−12.6	+5.3	+27.86	+1.65	−11.8	−6.4
18.5	− 1.58	+4.80	− 9.5	+6.1	+ 3.74	+3.76	− 7.3	+5.7	+29.51	+1.50	−18.2	−6.3
19.5	+ 3.22	+4.27	− 3.4	+6.6	+ 7.50	+3.28	− 1.6	+5.8	+31.01	+1.32	−24.5	−6.1
20.5	+ 7.49	+3.11	+ 3.2	+6.0	+10.78	+2.57	+ 4.2	+5.6	+32.33	+1.14	−30.6	−5.9
21.5	+10.60	+1.42	+ 9.2	+4.5	+13.35	+1.67	+ 9.8	+4.9	+33.47	+0.93	−36.5	−5.7
22.5	+12.02	−0.55	+13.7	+2.3	+15.02	+0.62	+14.7	+3.8	+34.40	+0.69	−42.2	−5.4
23.5	+11.47	−2.46	+16.0	−0.4	+15.64	−0.52	+18.5	+2.4	+35.09	+0.48	−47.6	−5.1
24.5	+ 9.01	−3.94	+15.6	−3.0	+15.12	−1.74	+20.9	+0.7	+35.57	+0.26	−52.7	−4.8
25.5	+ 5.07	−4.78	+12.6	−5.1	+13.38	−2.92	+21.6	−1.2	+35.83	+0.04	−57.5	−4.4
26.5	+ 0.29	−4.81	+ 7.5	−6.3	+10.46	−3.91	+20.4	−3.1	+35.87	−0.17	−61.9	−4.0
27.5	− 4.52	−4.07	+ 1.2	−6.4	+ 6.55	−4.58	+17.3	−5.0	+35.70	−0.40	−65.9	−3.6
28.5	− 8.59	−2.79	− 5.2	−5.7	+ 1.97	−4.79	+12.3	−6.4	+35.30	−0.61	−69.5	−3.2
29.5	−11.38	−1.09	−10.9	−4.0	− 2.82	−4.43	+ 5.9	−7.0	+34.69	−0.83	−72.7	−2.9
30.5	−12.47	+0.68	−14.9	−1.8	− 7.25	−3.56	− 1.1	−6.9	+33.86	−1.05	−75.6	−2.3
31.5	−11.79	+2.35	−16.7	+0.6	−10.81	−2.30	− 8.0	−5.9	+32.81	−1.24	−77.9	−1.8
Juni 1.5	− 9.44	+3.66	−16.1	+2.8	−13.11	−0.87	−13.9	−4.3	+31.57	−1.43	−79.7	−1.3
2.5	− 5.78	+4.47	−13.3	+4.7	−13.98	+0.52	−18.2	−2.5	+30.14	−1.62	−81.0	−0.8
3.5	− 1.31	+4.64	− 8.6	+6.0	−13.46	+1.74	−20.7	−0.6	+28.52	−1.81	−81.8	−0.3
4.5	+ 3.33	+4.12	− 2.6	+6.3	−11.72	+2.70	−21.3	+1.2	+26.71	−1.98	−82.1	+0.3
5.5	+ 7.45		+ 3.7		− 9.02		−20.1		+24.73		−81.8	

Mittlere Zeit Greenwich	TITAN $\alpha_{tr} - \alpha_{pl}$		TITAN $\delta_{tr} - \delta_{pl}$		HYPERION $\alpha_{tr} - \alpha_{pl}$		HYPERION $\delta_{tr} - \delta_{pl}$		JAPETUS $\alpha_{tr} - \alpha_{pl}$		JAPETUS $\delta_{tr} - \delta_{pl}$	
1921	s	s	"	"	s	s	"	"	s	s	"	"
Juni 5.5	+ 7.45	+2.96	+ 3.7	+5.7	− 9.02	+3.39	−20.1	+2.8	+24.73	−2.12	−81.8	+0.8
6.5	+10.41	+1.28	+ 9.4	+4.1	− 5.63	+3.75	−17.3	+4.0	+22.61	−2.26	−81.0	+1.3
7.5	+11.69	−0.61	+13.5	+1.9	− 1.88	+3.88	−13.3	+4.9	+20.35	−2.40	−79.7	+1.8
8.5	+11.08	−2.47	+15.4	−0.7	+ 2.00	+3.74	− 8.4	+5.3	+17.95	−2.50	−77.9	+2.3
9.5	+ 8.61	−3.87	+14.7	−3.2	+ 5.74	+3.36	− 3.1	+5.6	+15.45	−2.58	−75.6	+2.8
10.5	+ 4.74	−4.68	+11.5	−5.1	+ 9.10	+2.77	+ 2.5	+5.3	+12.87	−2.67	−72.8	+3.2
11.5	+ 0.06	−4.62	+ 6.4	−6.1	+11.87	+1.99	+ 7.8	+4.8	+10.20	−2.73	−69.6	+3.7
12.5	− 4.56	−3.93	+ 0.3	−6.1	+13.86	+1.04	+12.6	+3.9	+ 7.47	−2.77	−65.9	+4.2
13.5	− 8.49	−2.64	− 5.8	−5.2	+14.90	−0.05	+16.5	+2.6	+ 4.70	−2.79	−61.7	+4.6
14.5	−11.13	−1.00	−11.0	−3.5	+14.85	−1.19	+19.1	+1.1	+ 1.91	−2.79	−57.1	+4.9
15.5	−12.13	+0.73	−14.5	−1.3	+13.66	−2.33	+20.2	−0.7	− 0.88	−2.77	−52.2	+5.2
16.5	−11.40	+2.32	−15.8	+0.9	+11.33	−3.39	+19.5	−2.5	− 3.65	−2.74	−47.0	+5.5
17.5	− 9.08	+3.59	−14.9	+3.0	+ 7.94	−4.19	+17.0	−4.3	− 6.39	−2.68	−41.5	+5.8
18.5	− 5.49	+4.35	−11.9	+4.7	+ 3.75	−4.59	+12.7	−5.7	− 9.07	−2.61	−35.7	+6.0
19.5	− 1.14	+4.50	− 7.2	+5.8	− 0.84	−4.46	+ 7.0	−6.4	−11.68	−2.52	−29.7	+6.3
20.5	+ 3.36	+3.99	− 1.4	+5.9	− 5.30	−3.83	+ 0.6	−6.5	−14.20	−2.42	−23.4	+6.5
21.5	+ 7.35	+2.82	+ 4.5	+5.1	− 9.13	−2.74	− 5.9	−5.7	−16.62	−2.30	−16.9	+6.7
22.5	+10.17	+1.21	+ 9.6	+3.6	−11.87	−1.44	−11.6	−4.4	−18.92	−2.17	−10.2	+6.6
23.5	+11.38	−0.65	+13.2	+1.3	−13.31	−0.06	−16.0	−2.6	−21.09	−2.02	− 3.6	+6.6
24.5	+10.73	−2.43	+14.5	−1.2	−13.37	+1.18	−18.6	−0.8	−23.11	−1.85	+ 3.0	+6.6
25.5	+ 8.30	−3.80	+13.3	−3.4	−12.19	+2.22	−19.4	+0.9	−24.96	−1.68	+ 9.6	+6.5
26.5	+ 4.50	−4.51	+ 9.9	−5.0	− 9.97	+2.98	−18.5	+2.3	−26.64	−1.50	+16.1	+6.5
27.5	− 0.01	−4.52	+ 4.9	−5.8	− 6.99	+3.47	−16.2	+3.6	−28.14	−1.31	+22.6	+6.3
28.5	− 4.53	−3.79	− 0.9	−5.6	− 3.52	+3.70	−12.6	+4.4	−29.45	−1.11	+28.9	+6.1
29.5	− 8.32	−2.54	− 6.5	−4.6	+ 0.18	+3.67	− 8.2	+4.9	−30.56	−0.92	+35.0	+5.9
30.5	−10.86	−0.94	−11.1	−2.8	+ 3.85	+3.42	− 3.3	+5.1	−31.48	−0.71	+40.9	+5.7
Juli 1.5	−11.80	+0.72	−13.9	−0.8	+ 7.27	+2.96	+ 1.8	+4.9	−32.19	−0.49	+46.6	+5.4
2.5	−11.08	+2.29	−14.7	+1.3	+10.23	+2.28	+ 6.7	+4.5	−32.68	−0.27	+52.0	+5.1
3.5	− 8.79	+3.50	−13.4	+3.3	+12.51	+1.45	+11.2	+3.6	−32.95	−0.07	+57.1	+4.7
4.5	− 5.29	+4.24	−10.1	+4.7	+13.96	+0.46	+14.8	+2.5	−33.02	+0.12	+61.8	+4.4
5.5	− 1.05	+4.38	− 5.4	+5.5	+14.42	−0.61	+17.3	+1.1	−32.90	+0.31	+66.2	+4.0
6.5	+ 3.33	+3.86	+ 0.1	+5.4	+13.81	−1.76	+18.4	−0.5	−32.59	+0.50	+70.2	+3.6
7.5	+ 7.19	+2.74	+ 5.5	+4.4	+12.05	−2.83	+17.9	−2.1	−32.09	+0.68	+73.8	+3.1
8.5	+ 9.93	+1.16	+ 9.9	+2.8	+ 9.22	−3.74	+15.8	−3.8	−31.41	+0.87	+76.9	+2.7
9.5	+11.09	−0.66	+12.7	+0.7	+ 5.48	−4.32	+12.0	−5.0	−30.54	+1.06	+79.6	+2.2
10.5	+10.43	−2.38	+13.4	−1.7	+ 1.16	−4.44	+ 7.0	−5.9	−29.48	+1.24	+81.8	+1.8
11.5	+ 8.05	−3.71	+11.7	−3.7	− 3.28	−4.03	+ 1.1	−5.9	−28.24	+1.40	+83.6	+1.3
12.5	+ 4.34	−4.41	+ 8.0	−5.0	− 7.31	−3.15	− 4.8	−5.2	−26.84	+1.55	+84.9	+0.7
13.5	− 0.07		+ 3.0		−10.46		−10.0		−25.29		+85.6	

Mittlere Zeit Greenwich	TITAN				HYPERION				JAPETUS			
	$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$		$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$		$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$	
1921	s	s	″	″	s	s	″	″	s	s	″	″
Nov. 28.5	+ 6.56	+2.94	+19.2	−2.6	+ 5.14	+3.16	+24.6	+0.5	−11.47	−2.39	− 52.3	+ 9.0
29.5	+ 9.50	+1.39	+16.6	−5.4	+ 8.30	+2.61	+25.1	−1.2	−13.86	−2.34	− 43.3	+ 9.2
30.5	+10.89	−0.36	+11.2	−7.3	+10.91	+1.84	+23.9	−3.0	−16.20	−2.25	− 34.1	+ 9.5
Dez. 1.5	+10.53	−2.13	+ 3.9	−8.1	+12.75	+0.88	+20.9	−4.7	−18.45	−2.12	− 24.6	+ 9.8
2.5	+ 8.40	−3.53	− 4.2	−7.4	+13.63	−0.26	+16.2	−6.1	−20.57	−1.97	− 14.8	+10.0
3.5	+ 4.87	−4.34	−11.6	−5.6	+13.37	−1.50	+10.1	−7.1	−22.54	−1.84	− 4.8	+10.0
4.5	+ 0.53	−4.44	−17.2	−2.9	+11.87	−2.70	+ 3.0	−7.5	−24.38	−1.68	+ 5.2	+10.0
5.5	− 3.91	−3.86	−20.1	+0.1	+ 9.17	−3.71	− 4.5	−7.0	−26.06	−1.53	+ 15.2	+10.0
6.5	− 7.77	−2.71	−20.0	+3.2	+ 5.46	−4.35	−11.5	−5.7	−27.59	−1.36	+ 25.2	+ 9.9
7.5	−10.48	−1.23	−16.8	+5.7	+ 1.11	−4.50	−17.2	−3.7	−28.95	−1.20	+ 35.1	+ 9.7
8.5	−11.71	+0.45	−11.1	+7.4	− 3.39	−4.11	−20.9	−1.2	−30.15	−1.01	+ 44.8	+ 9.5
9.5	−11.26	+1.99	− 3.7	+7.9	− 7.50	−3.28	−22.1	+1.4	−31.16	−0.83	+ 54.3	+ 9.2
10.5	− 9.27	+3.33	+ 4.2	+7.3	−10.78	−2.15	−20.7	+3.6	−31.99	−0.63	+ 63.5	+ 8.8
11.5	− 5.94	+4.19	+11.5	+5.8	−12.93	−0.91	−17.1	+5.3	−32.62	−0.43	+ 72.3	+ 8.4
12.5	− 1.75	+4.46	+17.3	+3.2	−13.84	+0.31	−11.8	+6.4	−33.05	−0.20	+ 80.7	+ 8.0
13.5	+ 2.71	+4.06	+20.5	+0.1	−13.53	+1.39	− 5.4	+7.0	−33.25	+0.02	+ 88.7	+ 7.5
14.5	+ 6.77	+3.00	+20.6	−3.2	−12.14	+2.31	+ 1.6	+6.9	−33.23	+0.21	+ 96.2	+ 6.9
15.5	+ 9.77	+1.43	+17.4	−6.1	− 9.83	+2.99	+ 8.5	+6.3	−33.02	+0.41	+103.1	+ 6.3
16.5	+11.20	−0.41	+11.3	−8.1	− 6.84	+3.46	+14.8	+5.4	−32.61	+0.60	+109.4	+ 5.7
17.5	+10.79	−2.21	+ 3.2	−8.6	− 3.38	+3.69	+20.2	+4.1	−32.01	+0.78	+115.1	+ 5.0
18.5	+ 8.58	−3.65	− 5.4	−7.8	+ 0.31	+3.67	+24.3	+2.5	−31.23	+0.96	+120.1	+ 4.4
19.5	+ 4.93	−4.46	−13.2	−5.7	+ 3.98	+3.44	+26.8	+0.8	−30.27	+1.14	+124.5	+ 3.7
20.5	+ 0.47	−4.56	−18.9	−2.7	+ 7.42	+2.96	+27.6	−1.1	−29.13	+1.33	+128.2	+ 2.9
21.5	− 4.09	−3.94	−21.6	+0.5	+10.38	+2.22	+26.5	−3.2	−27.80	+1.49	+131.1	+ 2.1
22.5	− 8.03	−2.78	−21.1	+3.8	+12.60	+1.27	+23.3	−4.9	−26.31	+1.64	+133.2	+ 1.3
23.5	−10.81	−1.23	−17.3	+6.3	+13.87	+0.14	+18.4	−6.3	−24.67	+1.79	+134.5	+ 0.6
24.5	−12.04	+0.47	−11.0	+7.8	+14.01	−1.15	+12.1	−7.5	−22.88	+1.93	+135.1	− 0.2
25.5	−11.57	+2.10	− 3.2	+8.4	+12.86	−2.42	+ 4.6	−8.1	−20.95	+2.06	+134.9	− 1.0
26.5	− 9.47	+3.45	+ 5.2	+7.7	+10.44	−3.57	− 3.5	−7.8	−18.89	+2.17	+133.9	− 1.7
27.5	− 6.02	+4.32	+12.9	+5.8	+ 6.87	−4.37	−11.3	−6.4	−16.72	+2.28	+132.2	− 2.5
28.5	− 1.70	+4.59	+18.7	+3.1	+ 2.50	−4.68	−17.7	−4.4	−14.44	+2.38	+129.7	− 3.2
29.5	+ 2.89	+4.16	+21.8	−0.3	− 2.18	−4.44	−22.1	−1.7	−12.06	+2.45	+126.5	− 4.0
30.5	+ 7.05	+3.06	+21.5	−3.6	− 6.62	−3.67	−23.8	+1.1	− 9.61	+2.51	+122.5	− 4.7
31.5	+10.11	+1.42	+17.9	−6.6	−10.29	−2.63	−22.7	+3.4	− 7.10	+2.56	+117.8	− 5.5
32.5	+11.53		+11.3		−12.92		−19.3		− 4.54		+112.3	

Östliche Elongationen

MIMAS

	h		h		h		h		h
Jan. 1	16.5	Febr. 14	0.8	März 29	9.0	Mai 11	17.5	Juni 24	2.0
2	15.1	14	23.4	30	7.6	12	16.1	25	0.6
3	13.7	15	22.1	31	6.2	13	14.7	25	23.2
4	12.4	16	20.7	April 1	4.9	14	13.3	26	21.8
5	11.0	17	19.3	2	3.5	15	11.9	27	20.5
6	9.6	18	17.9	3	2.1	16	10.5	28	19.1
7	8.2	19	16.5	4	0.7	17	9.1	29	17.7
8	6.8	20	15.1	4	23.4	18	7.7	30	16.3
9	5.4	21	13.7	5	22.0	19	6.4	Juli 1	15.0
10	4.0	22	12.3	6	20.6	20	5.0	2	13.6
11	2.7	23	10.9	7	19.2	21	3.6	3	12.2
12	1.3	24	9.5	8	17.8	22	2.2	4	10.8
12	23.9	25	8.1	9	16.5	23	0.9	5	9.5
13	22.5	26	6.7	10	15.1	23	23.5	6	8.1
14	21.2	27	5.3	11	13.7	24	22.1	7	6.8
15	19.8	28	4.0	12	12.3	25	20.7	8	5.4
16	18.4	März 1	2.6	13	10.9	26	19.3	9	4.1
17	17.0	2	1.2	14	9.5	27	18.0	10	2.7
18	15.6	2	23.8	15	8.1	28	16.6	11	1.3
19	14.2	3	22.5	16	6.7	29	15.2	11	23.9
20	12.8	4	21.1	17	5.4	30	13.8	12	22.5
21	11.4	5	19.7	18	4.0	31	12.4	13	21.2
22	10.0	6	18.3	19	2.6	Juni 1	11.0		
23	8.6	7	16.9	20	1.2	2	9.6		
24	7.2	8	15.6	20	23.9	3	8.2	Nov. 28	12.3
25	5.8	9	14.2	21	22.5	4	6.9	29	10.9
26	4.4	10	12.8	22	21.1	5	5.5	30	9.6
27	3.1	11	11.4	23	19.7	6	4.2	Dez. 1	8.2
28	1.7	12	10.0	24	18.3	7	2.8	2	6.8
29	0.3	13	8.6	25	17.0	8	1.5	3	5.4
29	22.9	14	7.2	26	15.6	9	0.1	4	4.0
30	21.6	15	5.8	27	14.2	9	22.7	5	2.7
31	20.2	16	4.5	28	12.8	10	21.3	6	1.3
Febr. 1	18.8	17	3.1	29	11.4	11	19.9	6	23.9
2	17.4	18	1.7	30	10.0	12	18.6	7	22.5
3	16.0	19	0.3	Mai 1	8.6	13	17.2	8	21.1
4	14.7	19	23.0	2	7.2	14	15.8	9	19.7
5	13.3	20	21.6	3	5.9	15	14.4	10	18.3
6	11.9	21	20.2	4	4.5	16	13.0	11	16.9
7	10.5	22	18.8	5	3.1	17	11.6	12	15.5
8	9.1	23	17.4	6	1.7	18	10.2	13	14.1
9	7.7	24	16.0	7	0.4	19	8.9	14	12.8
10	6.3	25	14.6	7	23.0	20	7.5	15	11.4
11	4.9	26	13.2	8	21.6	21	6.1	16	10.0
12	3.6	27	11.8	9	20.2	22	4.7	17	8.7
13	2.2	28	10.4	10	18.8	23	3.4	18	7.3

Östliche Elongationen

MIMAS

		h
Dez.	19	5.9
	20	4.5
	21	3.2
	22	1.8
	23	0.4
	23	23.0
	24	21.6
	25	20.2
	26	18.8
	27	17.4
	28	16.1
	29	14.7
	30	13.4
	31	12.0

ENCELADUS

		h
Jan.	2	4.7
	3	13.6
	4	22.5
	6	7.4
	7	16.3
	9	1.2
	10	10.1
	11	19.0
	13	3.8
	14	12.7
	15	21.6
	17	6.5
	18	15.3
	20	0.1
	21	9.0
	22	17.9
	24	2.8
	25	11.7
	26	20.6
	28	5.4
	29	14.3
	30	23.2
Febr.	1	8.1
	2	16.9
	4	1.8
	5	10.7
	6	19.6
	8	4.5
	9	13.4

ENCELADUS

		h
Febr.	10	22.3
	12	7.2
	13	16.0
	15	0.9
	16	9.8
	17	18.7
	19	3.5
	20	12.3
	21	21.2
	23	6.1
	24	15.0
	25	23.9
	27	8.8
	28	17.7
März	2	2.5
	3	11.4
	4	20.3
	6	5.2
	7	14.0
	8	22.8
	10	7.7
	11	16.6
	13	1.5
	14	10.4
	15	19.3
	17	4.1
	18	13.0
	19	21.9
	21	6.8
	22	15.6
	24	0.5
	25	9.4
	26	18.3
	28	3.2
	29	12.1
	30	21.0
April	1	5.9
	2	14.7
	3	23.6
	5	8.5
	6	17.4
	8	2.2
	9	11.1
	10	20.0
	12	4.9
	13	13.7

ENCELADUS

		h
April	14	22.6
	16	7.5
	17	16.4
	19	1.2
	20	10.1
	21	19.0
	23	3.9
	24	12.8
	25	21.7
	27	6.6
	28	15.5
	30	0.3
Mai	1	9.2
	2	18.1
	4	2.9
	5	11.8
	6	20.7
	8	5.6
	9	14.4
	10	23.3
	12	8.2
	13	17.1
	15	2.0
	16	10.9
	17	19.8
	19	4.7
	20	13.5
	21	22.4
	23	7.3
	24	16.2
	26	1.1
	27	10.0
	28	18.9
	30	3.8
	31	12.7
Juni	1	21.6
	3	6.5
	4	15.4
	6	0.2
	7	9.1
	8	18.0
	10	2.9
	11	11.8
	12	20.7
	14	5.6
	15	14.5

ENCELADUS

		h
Juni	16	23.4
	18	8.3
	19	17.2
	21	2.0
	22	10.9
	23	19.8
	25	4.7
	26	13.6
	27	22.5
	29	7.4
	30	16.3
Juli	2	1.2
	3	10.1
	4	19.0
	6	3.9
	7	12.7
	8	21.6
	10	6.5
	11	15.5
	13	0.4
Nov.	28	11.0
	29	19.9
Dez.	1	4.8
	2	13.7
	3	22.5
	5	7.4
	6	16.3
	8	1.2
	9	10.2
	10	19.1
	12	4.0
	13	12.9
	14	21.7
	16	6.6
	17	15.5
	19	0.4
	20	9.2
	21	18.1
	23	3.0
	24	11.9
	25	20.8
	27	5.7
	28	14.6
	29	23.5

ENCELADUS

		h
Dez.	31	8.3

TETHYS

		h
Jan.	1	14.8
	3	12.1
	5	9.5
	7	6.8
	9	4.1
	11	1.4
	12	22.7
	14	20.0
	16	17.2
	18	14.5
	20	11.8
	22	9.1
	24	6.3
	26	3.6
	28	0.9
	29	22.2
	31	19.5
Febr.	2	16.8
	4	14.1
	6	11.4
	8	8.8
	10	6.1
	12	3.4
	14	0.7
	15	22.0
	17	19.2
	19	16.5
	21	13.8
	23	11.1
	25	8.4
	27	5.7
März	1	3.0
	3	0.3
	4	21.6
	6	18.8
	8	16.1
	10	13.4
	12	10.7
	14	8.0
	16	5.3
	18	2.6
	19	23.9

Östliche Elongationen

TETHYS

	h
März 21	21.2
23	18.5
25	15.8
27	13.1
29	10.5
31	7.8
April 2	5.1
4	2.4
5	23.7
7	20.9
9	18.2
11	15.5
13	12.7
15	10.0
17	7.3
19	4.6
21	1.9
22	23.2
24	20.5
26	17.8
28	15.1
30	12.4
Mai 2	9.7
4	7.0
6	4.3
8	1.6
9	22.9
11	20.2
13	17.5
15	14.8
17	12.1
19	9.4
21	6.8
23	4.1
25	1.4
26	22.7
28	20.0
30	17.4
Juni 1	14.7
3	12.0
5	9.4
7	6.7
9	4.0
11	1.3
12	22.6
14	19.9

TETHYS

	h
Juni 16	17.2
18	14.5
20	11.8
22	9.2
24	6.5
26	3.8
28	1.1
29	22.4
Juli 1	19.8
3	17.1
5	14.4
7	11.8
9	9.1
11	6.4
13	3.7
Nov. 28	0.8
29	22.2
Dez. 1	19.5
3	16.8
5	14.1
7	11.4
9	8.8
11	6.1
13	3.4
15	0.8
16	22.1
18	19.4
20	16.7
22	14.0
24	11.4
26	8.6
28	5.9
30	3.2
32	0.4

DIONE

	h
Jan. 2	4.4
4	22.2
7	16.0
10	9.7
13	3.4
15	21.0
18	14.7

DIONE

	h
Jan. 21	8.3
24	1.8
26	19.5
29	13.2
Febr. 1	6.9
4	0.6
6	18.3
9	12.0
12	5.7
14	23.3
17	16.9
20	10.5
23	4.1
25	21.7
28	15.4
März 3	9.0
6	2.6
8	20.2
11	13.9
14	7.6
17	1.3
19	18.9
22	12.6
25	6.3
27	23.9
30	17.6
April 2	11.3
5	4.9
7	22.6
10	16.2
13	9.8
16	3.5
18	21.2
21	14.8
24	8.5
27	2.2
29	19.8
Mai 2	13.5
5	7.2
8	0.8
10	18.5
13	12.2
16	5.9
18	23.6
21	17.3
24	11.0

DIONE

	h
Mai 27	4.7
29	22.4
Juni 1	16.1
4	9.8
7	3.5
9	21.2
12	14.9
15	8.6
18	2.3
20	20.0
23	13.7
26	7.4
29	1.1
Juli 1	18.9
4	12.6
7	6.3
10	0.0
12	17.7
Nov. 29	10.2
Dez. 2	3.9
4	21.6
7	15.3
10	9.1
13	2.8
15	20.5
18	14.2
21	7.9
24	1.6
26	19.3
29	13.0
32	6.7

RHEA

	h
Jan. 2	19.9
7	8.1
11	20.5
16	8.9
20	21.3
25	9.7
29	22.1
Febr. 3	10.5
7	22.7
12	11.0

RHEA

	h
Febr. 16	23.4
21	11.8
26	0.2
März 2	12.6
7	0.9
11	13.2
16	1.4
20	13.7
25	2.0
29	14.4
April 3	2.7
7	15.0
12	3.4
16	15.8
21	4.2
25	16.5
30	4.9
Mai 4	17.3
9	5.7
13	18.1
18	6.5
22	19.0
27	7.4
31	19.8
Juni 5	8.3
9	20.8
14	9.3
18	21.7
23	10.2
27	22.7
Juli 2	11.2
6	23.7
11	12.2
Nov. 28	17.4
3	5.9
Dez. 7	18.4
12	6.9
16	19.4
21	7.8
25	20.3
30	8.8
34	21.3

Elongationen und Konjunktionen

TITAN

		h	
Jan.	3	8.9	Unt. Konj.
	7	10.0	Westl. El.
	11	14.3	Ob. Konj.
	15	12.3	Östl. El.
	19	7.3	Unt. Konj.
	23	8.3	Westl. El.
	27	12.6	Ob. Konj.
	31	10.8	Östl. El.
Febr.	4	5.4	Unt. Konj.
	8	6.3	Westl. El.
	12	10.5	Ob. Konj.
	16	8.5	Östl. El.
	20	3.3	Unt. Konj.
	24	3.9	Westl. El.
	28	8.1	Ob. Konj.
März	4	6.1	Östl. El.
	8	0.9	Unt. Konj.
	12	1.4	Westl. El.
	16	5.7	Ob. Konj.
	20	3.6	Östl. El.
	23	22.4	Unt. Konj.
	27	22.9	Westl. El.
April	1	3.0	Ob. Konj.
	5	1.4	Östl. El.
	8	20.1	Unt. Konj.
	12	20.5	Westl. El.
	17	0.8	Ob. Konj.
	20	23.2	Östl. El.
	24	18.0	Unt. Konj.
	28	18.4	Westl. El.
Mai	2	22.8	Ob. Konj.
	6	21.4	Östl. El.
	10	16.4	Unt. Konj.
	14	16.8	Westl. El.
	18	21.3	Ob. Konj.
	22	20.0	Östl. El.
	26	14.9	Unt. Konj.
	30	15.5	Westl. El.
Juni	3	20.2	Ob. Konj.
	7	18.9	Östl. El.
	11	13.9	Unt. Konj.

TITAN

		h	
Juni	15	14.7	Westl. El.
	19	19.4	Ob. Konj.
	23	18.2	Östl. El.
	27	13.4	Unt. Konj.
Juli	1	14.3	Westl. El.
	5	19.1	Ob. Konj.
	9	17.9	Östl. El.
	13	13.1	Unt. Konj.
Nov.	30	20.2	Östl. El.
Dez.	4	15.9	Unt. Konj.
	8	18.0	Westl. El.
	12	22.3	Ob. Konj.
	16	19.8	Östl. El.
	20	15.4	Unt. Konj.
	24	17.6	Westl. El.
	28	21.7	Ob. Konj.

HYPERION

		h	
Jan.	4	10.1	Westl. El.
	9	23.5	Ob. Konj.
	16	5.5	Östl. El.
	21	5.2	Unt. Konj.
	25	16.0	Westl. El.
	31	5.6	Ob. Konj.
Febr.	6	11.9	Östl. El.
	11	11.2	Unt. Konj.
	15	21.8	Westl. El.
	21	11.5	Ob. Konj.
	27	17.9	Östl. El.
März	4	17.2	Unt. Konj.
	9	3.6	Westl. El.
	14	17.1	Ob. Konj.
	21	0.0	Östl. El.
	25	23.4	Unt. Konj.
	30	9.7	Westl. El.
April	4	23.5	Ob. Konj.
	11	6.7	Östl. El.
	16	6.5	Unt. Konj.
	20	16.7	Westl. El.

HYPERION

		h	
April	26	6.7	Ob. Konj.
Mai	2	14.8	Östl. El.
	7	14.5	Unt. Konj.
	12	0.7	Westl. El.
	17	15.3	Ob. Konj.
	23	23.7	Östl. El.
	28	23.3	Unt. Konj.
Juni	2	9.8	Westl. El.
	8	1.4	Ob. Konj.
	14	10.2	Östl. El.
	19	9.1	Unt. Konj.
	23	20.0	Westl. El.
	29	12.5	Ob. Konj.
Juli	5	21.2	Östl. El.
	10	19.7	Unt. Konj.
Dez.	3	3.5	Östl. El.
	7	18.8	Unt. Konj.
	12	9.7	Westl. El.
	18	10.7	Ob. Konj.
	24	11.4	Östl. El.
	29	1.7	Unt. Konj.

JAPETUS

		h	
Jan.	8	23.7	Unt. Konj.
	27	22.6	Westl. El.
Febr.	17	4.0	Ob. Konj.
März	9	11.3	Östl. El.
	28	9.5	Unt. Konj.
April	16	3.5	Westl. El.
Mai	6	8.8	Ob. Konj.
	27	0.7	Östl. El.
Juni	15	9.4	Unt. Konj.
Juli	4	14.9	Westl. El.
Dez.	13	22.2	Westl. El.

Tag	h	
Jan.		
2	8	☿ im Aphel
8	8	☿ ☌ ☾
9	3	♀ ☌ ♂, ♀ 0° 25′ S.
12	22	♂ ☌ ☾
13	1	♀ ☌ ☾
16	7	☿ obere ☌ ☉
26	14	♃ ☌ ☾
27	1	♄ ☌ ☾
Febr.		
1	6	♆ ☍ ☉
9	4	☿ ☌ ☾
9	16	♀ gr. östl. El. 46° 46′
10	22	♂ ☌ ☾
11	17	♀ ☌ ☾
14	23	☿ gr. östl. El. 18° 8′
15	7	☿ im Perihel
22	20	♃ ☌ ☾
23	9	♄ ☌ ☾
24	7	♅ ☌ ☉
März		
2	14	☿ untere ☌ ☉
2	22	♀ im Perihel
4	14	♃ ☍ ☉
8	7	☿ ☌ ☾
11	19	♂ ☌ ☾
12	1	♄ ☍ ☉
12	16	♀ ☌ ☾
16	20	♀ im größten Glanz
22	1	♃ ☌ ☾
22	16	♄ ☌ ☾
29	22	☿ gr. westl. El. 27° 50′
31	7	☿ im Aphel
April		
5	19	☿ ☌ ☾
9	6	♀ ☌ ☾
9	15	♂ ☌ ☉
18	5	♃ ☌ ☾
18	21	♄ ☌ ☾
22	6	♀ untere ☌ ☉
Mai		
5	17	♀ ☌ ☾
7	2	☿ ☌ ☾
8	10	♂ ☌ ☾
9	23	☿ obere ☌ ☉
14	7	☿ im Perihel
15	10	♃ ☌ ☾
16	2	♄ ☌ ☾
19	15	☿ ☌ ♂, ☿ 1° 3′ N.
28	7	♀ im größten Glanz
Juni		
2	15	♀ ☌ ☾
6	5	♂ ☌ ☾
7	13	☿ ☌ ☾
10	16	☿ gr. östl. El. 24° 13′
11	18	♃ ☌ ☾
12	8	♄ ☌ ☾
23	4	♀ im Aphel
27	6	☿ im Aphel
28	19	♂ ☌ ☾
Juli		
1	6	♀ gr. westl. El. 45° 44′
1	18	♀ ☌ ☾
4	23	♂ ☌ ☾
5	8	☿ ☌ ☾
7	17	☿ untere ☌ ☉
9	7	♃ ☌ ☾
9	17	♄ ☌ ☾
28	9	☿ gr. westl. El. 19° 40′
31	6	♀ ☌ ☾
Aug.		
2	2	☿ ☌ ☾
2	17	♂ ☌ ☾
6	0	♃ ☌ ☾
6	1	♆ ☌ ☉
6	6	♄ ☌ ☾
10	6	☿ im Perihel
10	12	☿ ☌ ♂, ☿ 0° 11′ S.
22	22	☿ obere ☌ ☉
30	0	♀ ☌ ☾
31	3	♅ ☌ ☉
31	9	♂ ☌ ☾
Sept.		
2	10	☿ ☌ ☾
2	19	♃ ☌ ☾
2	21	♄ ☌ ☾
6	5	☿ ☌ ♃, ☿ 0° 19′ S.
6	16	☿ ☌ ♄, ☿ 1° 25′ S.
14	5	♃ ☌ ♄, ♃ 1° 2′ S.
16	12	♂ ☌ α Leon., ♂ 48′ N.
21	1	♄ ☌ ☉
22	10	♃ ☌ ☉
23	6	☿ im Aphel
23	11	☿ ☌ α Virginis, ☿ 46′ N.
24	12	♀ ☌ α Leon., ♀ 18′ N.
28	20	♀ ☌ ☾
29	0	♂ ☌ ☾
30	13	♄ ☌ ☾
30	15	♃ ☌ ☾
Okt.		
2	19	☿ ☌ ☾
2	23	♀ ☌ ♂, ♀ 0° 11′ S.
7	11	☿ gr. östl. El. 25° 23′
13	13	♀ im Perihel
21	20	♀ ☌ ♄, ♀ 0° 35′ S.
25	4	♀ ☌ ♃, ♀ 0° 31′ N.
27	13	♂ ☌ ☾
28	3	♄ ☌ ☾
28	10	♃ ☌ ☾
28	16	♀ ☌ ☾
30	12	☿ ☌ ☾
30	22	☿ untere ☌ ☉
Nov.		
3	14	♂ im Aphel
6	5	☿ im Perihel
13	14	♂ ☌ ♄, ♂ 0° 53′ S.
16	4	☿ gr. westl. El. 19° 26′
24	15	♄ ☌ ☾
25	1	♂ ☌ ☾
25	2	♃ ☌ ☾
26	11	♂ ☌ ♃, ♂ 0° 10′ N.
27	14	♀ ☌ ☾
27	18	☿ ☌ ☾
Dez.		
5	22	☿ ☌ β Scorpii, ☿ 33′ S.
9	0	♀ ☌ β Scorpii, ♀ 10′ S.
20	5	☿ im Aphel
21	23	♄ ☌ ☾
22	14	♃ ☌ ☾
23	11	♂ ☌ ☾
27	4	☿ obere ☌ ☉
27	20	♀ ☌ ☾
28	21	☿ ☌ ☾

Präzession in Rektaszension (p_α) und Deklination (p_δ)

α \ δ	p_α +60°	+50°	+40°	+30°	+20°	+10°	0°	−10°	−20°	−30°	−40°	−50°	−60°	p_δ
h	s	s	s	s	s	s	s	s	s	s	s	s	s	″
0	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	+20.0
1	3.67	3.48	3.36	3.27	3.20	3.13	3.07	3.01	2.95	2.87	2.78	2.66	2.47	+19.4
2	4.23	3.87	3.63	3.46	3.32	3.19	3.07	2.95	2.83	2.69	2.51	2.28	1.92	+17.4
3	4.71	4.20	3.87	3.62	3.42	3.24	3.07	2.91	2.73	2.53	2.28	1.95	1.44	+14.2
4	5.08	4.45	4.04	3.74	3.49	3.28	3.07	2.87	2.65	2.41	2.10	1.69	1.07	+10.0
5	5.31	4.61	4.16	3.82	3.54	3.30	3.07	2.84	2.60	2.33	1.99	1.53	0.84	+ 5.2
6	5.39	4.67	4.19	3.84	3.56	3.31	3.07	2.84	2.59	2.30	1.95	1.48	0.76	0.0
7	5.31	4.61	4.16	3.82	3.54	3.30	3.07	2.84	2.60	2.33	1.99	1.53	0.84	− 5.2
8	5.08	4.45	4.04	3.74	3.49	3.28	3.07	2.87	2.65	2.41	2.10	1.69	1.07	−10.0
9	4.71	4.20	3.87	3.62	3.42	3.24	3.07	2.91	2.73	2.53	2.28	1.95	1.44	−14.2
10	4.23	3.87	3.63	3.46	3.32	3.19	3.07	2.95	2.83	2.69	2.51	2.28	1.92	−17.4
11	3.67	3.48	3.36	3.27	3.20	3.13	3.07	3.01	2.95	2.87	2.78	2.66	2.47	−19.4
12	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	−20.0
13	2.47	2.66	2.78	2.87	2.95	3.01	3.07	3.13	3.20	3.27	3.36	3.48	3.67	−19.4
14	1.92	2.28	2.51	2.69	2.83	2.95	3.07	3.19	3.32	3.46	3.63	3.87	4.23	−17.4
15	1.44	1.95	2.28	2.53	2.73	2.91	3.07	3.24	3.42	3.62	3.87	4.20	4.71	−14.2
16	1.07	1.69	2.10	2.41	2.65	2.87	3.07	3.28	3.49	3.74	4.04	4.45	5.08	−10.0
17	0.84	1.53	1.99	2.33	2.60	2.84	3.07	3.30	3.54	3.82	4.16	4.61	5.31	− 5.2
18	0.76	1.48	1.95	2.30	2.59	2.84	3.07	3.31	3.56	3.84	4.19	4.67	5.39	0.0
19	0.84	1.53	1.99	2.33	2.60	2.84	3.07	3.30	3.54	3.82	4.16	4.61	5.31	+ 5.2
20	1.07	1.69	2.10	2.41	2.65	2.87	3.07	3.28	3.49	3.74	4.04	4.45	5.08	+10.0
21	1.44	1.95	2.28	2.53	2.73	2.91	3.07	3.24	3.42	3.62	3.87	4.20	4.71	+14.2
22	1.92	2.28	2.51	2.69	2.83	2.95	3.07	3.19	3.32	3.46	3.63	3.87	4.23	+17.4
23	2.47	2.66	2.78	2.87	2.95	3.01	3.07	3.13	3.20	3.27	3.36	3.48	3.67	+19.4
24	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	+20.0

Präzessionswerte und Schiefe der Ekliptik

Zeit	m	n	ψ	log π	Π	ε
	s	″	″		° ′	° ′ ″
1900.0	3.07233	20.0468	50.2564	9.67309	173 57.06	23 27 8.26
1905.0	3.07243	20.0464	50.2575	9.67305	173 59.80	23 27 5.92
1910.0	3.07252	20.0460	50.2586	9.67302	174 2.53	23 27 3.58
1915.0	3.07261	20.0456	50.2597	9.67299	174 5.27	23 27 1.23
1920.0	3.07271	20.0451	50.2608	9.67296	174 8.01	23 26 58.89
1925.0	3.07280	20.0447	50.2620	9.67293	174 10.75	23 26 56.55
1930.0	3.07289	20.0443	50.2631	9.67290	174 13.49	23 26 54.21

Präzession in Länge p_λ											Präz. in Br. p_β		
Länge λ	Breite β										Länge λ	Präzession p_β	
	0°	+1°	+2°	+3°	+4°	+5°	+6°	+7°	+8°	+9°			
0°	50.262″	.254″	.245″	.237″	.229″	50.221″	.213″	.205″	.196″	.188″	0°	+0.048″	80
10	.262	.254	.246	.238	.230	.222	.214	.206	.198	.190	10	+0.128	77
20	.262	.255	.247	.240	.232	.225	.217	.210	.202	.195	20	+0.205	70
30	.262	.255	.249	.242	.235	.229	.222	.215	.208	.202	30	+0.275	63
40	50.262	.256	.251	.245	.239	50.233	.227	.221	.216	.210	40	+0.338	52
50	.262	.257	.253	.248	.243	.239	.234	.229	.225	.220	50	+0.390	40
60	.262	.259	.255	.252	.249	.245	.242	.238	.235	.231	60	+0.430	26
70	.262	.260	.258	.256	.254	.252	.250	.248	.246	.244	70	+0.456	14
80	50.262	.261	.261	.260	.259	50.259	.258	.258	.257	.257	80	+0.470	−1
90	.262	.263	.263	.264	.265	.266	.267	.268	.269	.270	90	+0.469	16
100	.262	.264	.267	.269	.271	.273	.275	.277	.280	.282	100	+0.453	29
110	.262	.266	.269	.273	.277	.280	.284	.287	.291	.294	110	+0.424	42
120	50.262	.267	.271	.276	.281	50.286	.291	.296	.301	.306	120	+0.382	54
130	.262	.268	.274	.280	.286	.292	.298	.304	.310	.316	130	+0.328	63
140	.262	.269	.275	.282	.289	.296	.303	.310	.317	.324	140	+0.265	72
150	.262	.270	.277	.285	.292	.300	.307	.315	.322	.330	150	+0.193	77
160	50.262	.270	.278	.286	.294	50.302	.310	.318	.326	.334	160	+0.116	81
170	.262	.270	.279	.287	.295	.303	.311	.319	.328	.336	170	+0.035	83
180	.262	.270	.279	.287	.295	.303	.311	.319	.328	.336	180	−0.048	80
190	.262	.270	.278	.286	.294	.302	.310	.318	.326	.334	190	−0.128	77
200	50.262	.269	.277	.284	.292	50.299	.307	.314	.322	.329	200	−0.205	70
210	.262	.269	.275	.282	.289	.295	.302	.309	.316	.322	210	−0.275	63
220	.262	.268	.273	.279	.285	.291	.297	.303	.308	.314	220	−0.338	52
230	.262	.267	.271	.276	.281	.285	.290	.295	.299	.304	230	−0.390	40
240	50.262	.265	.269	.272	.275	50.279	.282	.286	.289	.293	240	−0.430	26
250	.262	.264	.266	.268	.270	.272	.274	.276	.278	.280	250	−0.456	14
260	.262	.263	.263	.264	.265	.265	.266	.266	.267	.267	260	−0.470	−1
270	.262	.261	.261	.260	.259	.258	.257	.256	.255	.254	270	−0.469	16
280	50.262	.260	.257	.255	.253	50.251	.249	.247	.244	.242	280	−0.453	29
290	.262	.258	.255	.251	.247	.244	.240	.237	.233	.230	290	−0.424	42
300	.262	.257	.253	.248	.243	.238	.233	.228	.223	.218	300	−0.382	54
310	.262	.256	.250	.244	.238	.232	.226	.220	.214	.208	310	−0.328	63
320	50.262	.255	.249	.242	.235	50.228	.221	.214	.207	.200	320	−0.265	72
330	.262	.254	.247	.239	.232	.224	.217	.209	.202	.194	330	−0.193	77
340	.262	.254	.246	.238	.230	.222	.214	.206	.198	.190	340	−0.116	81
350	.262	.254	.245	.237	.229	.221	.213	.205	.196	.188	350	−0.035	83
360	50.262	.254	.245	.237	.229	50.221	.213	.205	.196	.188	360	+0.048	

Präzession in Länge p_λ											Präz. in Br. p_β		
Länge λ	Breite β										Länge λ	Präzession p_β	
	0°	−1°	−2°	−3°	−4°	−5°	−6°	−7°	−8°	−9°			
°	″	″	″	″	″	″	″	″	″	″	°	″	
0	50.262	.270	.279	.287	.295	50.303	.311	.319	.328	.336	0	+0.048	80
10	.262	.270	.278	.286	.294	.302	.310	.318	.326	.334	10	+0.128	77
20	.262	.269	.277	.284	.292	.299	.307	.314	.322	.329	20	+0.205	70
30	.262	.269	.275	.282	.289	.295	.302	.309	.316	.322	30	+0.275	63
40	50.262	.268	.273	.279	.285	50.291	.297	.303	.308	.314	40	+0.338	52
50	.262	.267	.271	.276	.281	.285	.290	.295	.299	.304	50	+0.390	40
60	.262	.265	.269	.272	.275	.279	.282	.286	.289	.293	60	+0.430	26
70	.262	.264	.266	.268	.270	.272	.274	.276	.278	.280	70	+0.456	14
80	50.262	.263	.263	.264	.265	50.265	.266	.266	.267	.267	80	+0.470	—1
90	.262	.261	.261	.260	.259	.258	.257	.256	.255	.254	90	+0.469	16
100	.262	.260	.257	.255	.253	.251	.249	.247	.244	.242	100	+0.453	29
110	.262	.258	.255	.251	.247	.244	.240	.237	.233	.230	110	+0.424	42
120	50.262	.257	.253	.248	.243	50.238	.233	.228	.223	.218	120	+0.382	54
130	.262	.256	.250	.244	.238	.232	.226	.220	.214	.208	130	+0.328	63
140	.262	.255	.249	.242	.235	.228	.221	.214	.207	.200	140	+0.265	72
150	.262	.254	.247	.239	.232	.224	.217	.209	.202	.194	150	+0.193	77
160	50.262	.254	.246	.238	.230	50.222	.214	.206	.198	.190	160	+0.116	81
170	.262	.254	.245	.237	.229	.221	.213	.205	.196	.188	170	+0.035	83
180	.262	.254	.245	.237	.229	.221	.213	.205	.196	.188	180	—0.048	80
190	.262	.254	.246	.238	.230	.222	.214	.206	.198	.190	190	—0.128	77
200	50.262	.255	.247	.240	.232	50.225	.217	.210	.202	.195	200	—0.205	70
210	.262	.255	.249	.242	.235	.229	.222	.215	.208	.202	210	—0.275	63
220	.262	.256	.251	.245	.239	.233	.227	.221	.216	.210	220	—0.338	52
230	.262	.257	.253	.248	.243	.239	.234	.229	.225	.220	230	—0.390	40
240	50.262	.259	.255	.252	.249	50.245	.242	.238	.235	.231	240	—0.430	26
250	.262	.260	.258	.256	.254	.252	.250	.248	.246	.244	250	—0.456	14
260	.262	.261	.261	.260	.259	.259	.258	.258	.257	.257	260	—0.470	—1
270	.262	.263	.263	.264	.265	.266	.267	.268	.269	.270	270	—0.469	16
280	50.262	.264	.267	.269	.271	50.273	.275	.277	.280	.282	280	—0.453	29
290	.262	.266	.269	.273	.277	.280	.284	.287	.291	.294	290	—0.424	42
300	.262	.267	.271	.276	.281	.286	.291	.296	.301	.306	300	—0.382	54
310	.262	.268	.274	.280	.286	.292	.298	.304	.310	.316	310	—0.328	63
320	50.262	.269	.275	.282	.289	50.296	.303	.310	.317	.324	320	—0.265	72
330	.262	.270	.277	.285	.292	.300	.307	.315	.322	.330	330	—0.193	77
340	.262	.270	.278	.286	.294	.302	.310	.318	.326	.334	340	—0.116	81
350	.262	.270	.279	.287	.295	.303	.311	.319	.328	.336	350	—0.035	83
360	50.262	.270	.279	.287	.295	50.303	.311	.319	.328	.336	360	+0.048	

δ \ φ	+30°	+32°	+34°	+36°	+38°	+40°	+42°	+44°	+46°	+48°	+50°
°	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
−30	4 45.4	4 38.8	4 31.8	4 24.4	4 16.5	4 8.1	3 58.9	3 48.9	3 37.9	3 25.7	3 11.8
29	4 48.6	4 42.3	4 35.6	4 28.6	4 21.1	4 13.0	4 4.3	3 54.9	3 44.5	3 33.0	3 20.1
28	4 51.7	4 45.7	4 39.3	4 32.6	4 25.5	4 17.8	4 9.6	4 0.7	3 50.9	3 40.1	3 28.0
27	4 54.7	4 49.0	4 42.9	4 36.5	4 29.8	4 22.5	4 14.7	4 6.2	3 57.0	3 46.9	3 35.5
26	4 57.7	4 52.2	4 46.5	4 40.4	4 33.9	4 27.1	4 19.7	4 11.7	4 3.0	3 53.4	3 42.8
25	5 0.6	4 55.4	4 49.9	4 44.2	4 38.0	4 31.5	4 24.5	4 16.9	4 8.7	3 59.7	3 49.7
24	5 3.5	4 58.5	4 53.3	4 47.8	4 42.0	4 35.8	4 29.2	4 22.0	4 14.3	4 5.8	3 56.5
23	5 6.3	5 1.6	4 56.6	4 51.4	4 45.9	4 40.1	4 33.8	4 27.0	4 19.7	4 11.8	4 3.0
22	5 9.0	5 4.6	4 59.9	4 55.0	4 49.7	4 44.2	4 38.3	4 31.9	4 25.0	4 17.5	4 9.3
21	5 11.7	5 7.5	5 3.1	4 58.4	4 53.5	4 48.3	4 42.7	4 36.7	4 30.2	4 23.2	4 15.4
−20	5 14.4	5 10.4	5 6.2	5 1.8	4 57.2	4 52.3	4 47.0	4 41.3	4 35.3	4 28.7	4 21.4
19	5 17.0	5 13.3	5 9.3	5 5.2	5 0.8	4 56.2	4 51.2	4 45.9	4 40.2	4 34.0	4 27.3
18	5 19.6	5 16.1	5 12.4	5 8.5	5 4.4	5 0.0	4 55.4	4 50.4	4 45.1	4 39.3	4 33.0
17	5 22.2	5 18.9	5 15.4	5 11.7	5 7.9	5 3.8	4 59.5	4 54.9	4 49.9	4 44.5	4 38.6
16	5 24.7	5 21.6	5 18.4	5 14.9	5 11.4	5 7.5	5 3.5	4 59.2	4 54.6	4 49.5	4 44.1
15	5 27.2	5 24.3	5 21.3	5 18.1	5 14.8	5 11.2	5 7.5	5 3.5	4 59.2	4 54.5	4 49.5
14	5 29.7	5 27.0	5 24.2	5 21.3	5 18.2	5 14.9	5 11.4	5 7.7	5 3.7	4 59.5	4 54.8
13	5 32.1	5 29.7	5 27.1	5 24.4	5 21.5	5 18.5	5 15.3	5 11.9	5 8.2	5 4.3	5 0.0
12	5 34.6	5 32.3	5 29.9	5 27.4	5 24.8	5 22.1	5 19.1	5 16.0	5 12.6	5 9.0	5 5.1
11	5 37.0	5 34.9	5 32.7	5 30.5	5 28.1	5 25.6	5 22.9	5 20.1	5 17.0	5 13.7	5 10.2
−10	5 39.4	5 37.5	5 35.5	5 33.5	5 31.3	5 29.1	5 26.7	5 24.1	5 21.4	5 18.4	5 15.2
9	5 41.7	5 40.1	5 38.3	5 36.5	5 34.6	5 32.5	5 30.4	5 28.1	5 25.7	5 23.0	5 20.2
8	5 44.1	5 42.6	5 41.1	5 39.5	5 37.8	5 36.0	5 34.1	5 32.1	5 29.9	5 27.6	5 25.1
7	5 46.4	5 45.2	5 43.8	5 42.4	5 41.0	5 39.4	5 37.8	5 36.0	5 34.2	5 32.2	5 30.0
6	5 48.8	5 47.7	5 46.6	5 45.4	5 44.1	5 42.8	5 41.4	5 40.0	5 38.4	5 36.7	5 34.9
5	5 51.1	5 50.2	5 49.3	5 48.3	5 47.3	5 46.2	5 45.1	5 43.9	5 42.6	5 41.2	5 39.7
4	5 53.4	5 52.7	5 52.0	5 51.2	5 50.4	5 49.6	5 48.7	5 47.8	5 46.8	5 45.7	5 44.5
3	5 55.8	5 55.2	5 54.7	5 54.1	5 53.6	5 53.0	5 52.3	5 51.6	5 50.9	5 50.1	5 49.3
2	5 58.1	5 57.7	5 57.4	5 57.1	5 56.7	5 56.3	5 55.9	5 55.5	5 55.1	5 54.6	5 54.1
− 1	6 0.4	6 0.2	6 0.1	6 0.0	5 59.8	5 59.7	5 59.5	5 59.4	5 59.2	5 59.0	5 58.9
0	6 2.7	6 2.7	6 2.8	6 2.9	6 2.9	6 3.0	6 3.1	6 3.2	6 3.4	6 3.5	6 3.6
+ 1	6 5.0	6 5.2	6 5.5	6 5.8	6 6.1	6 6.4	6 6.7	6 7.1	6 7.5	6 7.9	6 8.4
2	6 7.3	6 7.7	6 8.2	6 8.7	6 9.2	6 9.8	6 10.3	6 11.0	6 11.6	6 12.4	6 13.2
3	6 9.6	6 10.3	6 10.9	6 11.6	6 12.3	6 13.1	6 14.0	6 14.8	6 15.8	6 16.8	6 18.0
4	6 11.9	6 12.8	6 13.6	6 14.5	6 15.5	6 16.5	6 17.6	6 18.7	6 20.0	6 21.3	6 22.8
5	6 14.3	6 15.3	6 16.4	6 17.5	6 18.6	6 19.9	6 21.2	6 22.6	6 24.2	6 25.8	6 27.6
6	6 16.6	6 17.8	6 19.1	6 20.4	6 21.8	6 23.3	6 24.9	6 26.6	6 28.4	6 30.4	6 32.5
7	6 19.0	6 20.4	6 21.8	6 23.4	6 25.0	6 26.7	6 28.6	6 30.5	6 32.6	6 34.9	6 37.4
8	6 21.3	6 22.9	6 24.6	6 26.4	6 28.2	6 30.2	6 32.3	6 34.5	6 36.9	6 39.5	6 42.3
9	6 23.7	6 25.5	6 27.4	6 29.4	6 31.4	6 33.7	6 36.0	6 38.5	6 41.2	6 44.1	6 47.3
10	6 26.1	6 28.1	6 30.2	6 32.4	6 34.7	6 37.2	6 39.8	6 42.5	6 45.6	6 48.8	6 52.3
+11	6 28.5	6 30.7	6 33.0	6 35.4	6 38.0	6 40.7	6 43.6	6 46.6	6 49.9	6 53.5	6 57.4
12	6 31.0	6 33.4	6 35.9	6 38.5	6 41.3	6 44.3	6 47.4	6 50.8	6 54.4	6 58.3	7 2.5
13	6 33.4	6 36.0	6 38.8	6 41.6	6 44.7	6 47.9	6 51.3	6 54.9	6 58.9	7 3.1	7 7.8
14	6 35.9	6 38.7	6 41.7	6 44.8	6 48.0	6 51.5	6 55.2	6 59.2	7 3.4	7 8.0	7 13.1
15	6 38.4	6 41.4	6 44.6	6 47.9	6 51.5	6 55.2	6 59.2	7 3.5	7 8.1	7 13.0	7 18.5
16	6 41.0	6 44.2	6 47.6	6 51.2	6 54.9	6 58.9	7 3.2	7 7.8	7 12.7	7 18.1	7 23.9
17	6 43.5	6 47.0	6 50.6	6 54.4	6 58.5	7 2.7	7 7.3	7 12.2	7 17.5	6 23.3	7 29.5
18	6 46.1	6 49.8	6 53.7	6 57.7	7 2.0	7 6.6	7 11.5	7 16.7	7 22.4	7 28.5	7 35.3
19	6 48.8	6 52.7	6 56.8	7 1.1	7 5.7	7 10.5	7 15.7	7 21.3	7 27.4	7 33.9	7 41.1
20	6 51.5	6 55.6	6 59.9	7 4.5	7 9.4	7 14.5	7 20.1	7 26.0	7 32.4	7 39.4	7 47.1
+21	6 54.2	6 58.6	7 3.1	7 8.0	7 13.1	7 18.6	7 24.5	7 30.8	7 37.6	7 45.1	7 53.3
22	6 56.9	7 1.6	7 6.4	7 11.5	7 17.0	7 22.8	7 29.0	7 35.7	7 42.9	7 50.9	7 59.6
23	6 59.8	7 4.6	7 9.7	7 15.1	7 20.9	7 27.0	7 33.6	7 40.7	7 48.4	7 56.8	8 6.1
24	7 2.6	7 7.7	7 13.1	7 18.8	7 24.9	7 31.3	7 38.3	7 45.8	7 54.0	8 2.9	8 12.9
25	7 5.6	7 10.9	7 16.6	7 22.6	7 29.0	7 35.8	7 43.1	7 51.1	7 59.8	8 9.3	8 19.9
26	7 8.5	7 14.2	7 20.1	7 26.4	7 33.2	7 40.4	7 48.1	7 56.5	8 5.7	8 15.8	8 27.1
27	7 11.6	7 17.5	7 23.8	7 30.4	7 37.5	7 45.0	7 53.2	8 2.1	8 11.8	8 22.6	8 34.7
28	7 14.7	7 20.9	7 27.5	7 34.4	7 41.9	7 49.9	7 58.5	8 7.9	8 18.2	8 29.7	8 42.6
29	7 17.9	7 24.4	7 31.3	7 38.6	7 46.4	7 54.8	8 3.9	8 13.9	8 24.8	8 37.1	8 51.0
+30	7 21.2	7 28.0	7 35.2	7 42.9	7 51.1	7 59.9	8 9.5	8 20.1	8 31.7	8 44.8	8 59.7

δ \ φ	+50°	+51°	+52°	+53°	+54°	+55°	+56°	+57°	+58°	+59°	+60°
°	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
−30	3 11.8	3 4.1	2 55.8	2 46.8	2 36.9	2 25.9	2 13.5	1 59.3	1 42.4	1 21.1	0 49.7
29	3 20.1	3 12.9	3 5.3	2 57.0	2 48.0	2 38.1	2 27.1	2 14.7	2 0.4	1 43.4	1 21.9
28	3 28.0	3 21.3	3 14.2	3 6.6	2 58.3	2 49.3	2 39.4	2 28.4	2 15.9	2 1.6	1 44.5
27	3 35.5	3 29.3	3 22.7	3 15.7	3 8.0	2 59.8	2 50.8	2 40.8	2 29.8	2 17.3	2 2.9
26	3 42.8	3 37.0	3 30.8	3 24.2	3 17.2	3 9.6	3 1.4	2 52.4	2 42.4	2 31.3	2 18.8
25	3 49.7	3 44.3	3 38.6	3 32.4	3 25.9	3 18.9	3 11.3	3 3.1	2 54.1	2 44.1	2 33.0
24	3 56.5	3 51.4	3 46.0	3 40.3	3 34.3	3 27.8	3 20.8	3 13.2	3 5.0	2 56.0	2 46.0
23	4 3.0	3 58.2	3 53.2	3 47.9	3 42.3	3 36.2	3 29.8	3 22.8	3 15.3	3 7.1	2 58.0
22	4 9.3	4 4.9	4 0.2	3 55.2	3 50.0	3 44.3	3 38.4	3 31.9	3 25.0	3 17.5	3 9.3
21	4 15.4	4 11.3	4 6.9	4 2.3	3 57.4	3 52.2	3 46.6	3 40.7	3 34.3	3 27.4	3 19.9
−20	4 21.4	4 17.5	4 13.5	4 9.1	4 4.6	3 59.8	3 54.6	3 49.1	3 43.2	3 36.9	3 30.0
19	4 27.3	4 23.7	4 19.9	4 15.8	4 11.6	4 7.1	4 2.3	3 57.2	3 51.8	3 45.9	3 39.6
18	4 33.0	4 29.6	4 26.1	4 22.3	4 18.4	4 14.2	4 9.8	4 5.1	4 0.1	3 54.7	3 48.9
17	4 38.6	4 35.4	4 32.1	4 28.7	4 25.0	4 21.1	4 17.0	4 12.7	4 8.1	4 3.1	3 57.8
16	4 44.1	4 41.2	4 38.1	4 34.9	4 31.5	4 27.9	4 24.1	4 20.1	4 15.9	4 11.3	4 6.4
15	4 49.5	4 46.8	4 43.9	4 41.0	4 37.8	4 34.5	4 31.0	4 27.4	4 23.4	4 19.3	4 14.8
14	4 54.8	4 52.3	4 49.7	4 46.9	4 44.1	4 41.0	4 37.8	4 34.4	4 30.8	4 27.0	4 22.9
13	5 0.0	4 57.7	4 55.3	4 52.8	4 50.2	4 47.4	4 44.5	4 41.4	4 38.1	4 34.6	4 30.9
12	5 5.1	5 3.0	5 0.9	4 58.6	4 56.2	4 53.7	4 51.0	4 48.2	4 45.2	4 42.0	4 38.7
11	5 10.2	5 8.3	5 6.4	5 4.3	5 2.1	4 59.8	4 57.4	4 54.9	4 52.2	4 49.3	4 46.3
−10	5 15.2	5 13.5	5 11.8	5 9.9	5 7.9	5 5.9	5 3.7	5 1.5	4 59.1	4 56.5	4 53.8
9	5 20.2	5 18.7	5 17.1	5 15.5	5 13.7	5 11.9	5 10.0	5 8.0	5 5.8	5 3.6	5 1.2
8	5 25.1	5 23.8	5 22.4	5 21.0	5 19.5	5 17.9	5 16.2	5 14.4	5 12.5	5 10.6	5 8.5
7	5 30.0	5 28.9	5 27.7	5 26.4	5 25.1	5 23.8	5 22.3	5 20.8	5 19.2	5 17.5	5 15.7
6	5 34.9	5 33.9	5 32.9	5 31.8	5 30.7	5 29.6	5 28.4	5 27.1	5 25.7	5 24.3	5 22.8
5	5 39.7	5 38.9	5 38.1	5 37.2	5 36.3	5 35.4	5 34.4	5 33.4	5 32.2	5 31.1	5 29.9
4	5 44.5	5 43.9	5 43.3	5 42.6	5 41.9	5 41.2	5 40.4	5 39.6	5 38.7	5 37.8	5 36.9
3	5 49.3	5 48.9	5 48.4	5 47.9	5 47.4	5 46.9	5 46.3	5 45.8	5 45.2	5 44.5	5 43.8
2	5 54.1	5 53.8	5 53.5	5 53.3	5 52.9	5 52.6	5 52.3	5 52.0	5 51.6	5 51.2	5 50.8
− 1	5 58.9	5 58.8	5 58.7	5 58.6	5 58.4	5 58.3	5 58.2	5 58.1	5 58.0	5 57.9	5 57.7
0	6 3.6	6 3.7	6 3.8	6 3.9	6 4.0	6 4.1	6 4.2	6 4.3	6 4.4	6 4.5	6 4.7
+ 1	6 8.4	6 8.6	6 8.9	6 9.2	6 9.5	6 9.8	6 10.1	6 10.4	6 10.8	6 11.2	6 11.6
2	6 13.2	6 13.6	6 14.0	6 14.5	6 15.0	6 15.5	6 16.0	6 16.6	6 17.2	6 17.8	6 18.5
3	6 18.0	6 18.6	6 19.2	6 19.8	6 20.5	6 21.2	6 22.0	6 22.8	6 23.6	6 24.6	6 25.5
4	6 22.8	6 23.5	6 24.4	6 25.2	6 26.1	6 27.0	6 28.0	6 29.0	6 30.1	6 31.3	6 32.5
5	6 27.6	6 28.6	6 29.6	6 30.6	6 31.7	6 32.8	6 34.0	6 35.3	6 36.6	6 38.1	6 39.6
6	6 32.5	6 33.6	6 34.8	6 36.0	6 37.3	6 38.7	6 40.1	6 41.6	6 43.2	6 44.9	6 46.7
7	6 37.4	6 38.7	6 40.0	6 41.5	6 43.0	6 44.6	6 46.2	6 48.0	6 49.8	6 51.8	6 53.9
8	6 42.3	6 43.8	6 45.3	6 47.0	6 48.7	6 50.5	6 52.4	6 54.4	6 56.5	6 58.8	7 1.2
9	6 47.3	6 48.9	6 50.7	6 52.6	6 54.5	6 56.5	6 58.7	7 0.9	7 3.3	7 5.9	7 8.6
10	6 52.3	6 54.2	6 56.1	6 58.2	7 0.3	7 2.6	7 5.0	7 7.5	7 10.2	7 13.1	7 16.2
+11	6 57.4	6 59.4	7 1.6	7 3.9	7 6.3	7 8.8	7 11.4	7 14.2	7 17.2	7 20.4	7 23.8
12	7 2.5	7 4.8	7 7.2	7 9.7	7 12.3	7 15.1	7 18.0	7 21.1	7 24.3	7 27.8	7 31.5
13	7 7.8	7 10.2	7 12.8	7 15.5	7 18.4	7 21.4	7 24.6	7 28.0	7 31.6	7 35.4	7 39.5
14	7 13.1	7 15.7	7 18.6	7 21.5	7 24.6	7 27.9	7 31.4	7 35.1	7 39.0	7 43.2	7 47.7
15	7 18.5	7 21.4	7 24.4	7 27.6	7 31.0	7 34.6	7 38.3	7 42.4	7 46.6	7 51.2	7 56.1
16	7 23.9	7 27.1	7 30.4	7 33.8	7 37.5	7 41.4	7 45.4	7 49.8	7 54.4	7 59.4	8 4.7
17	7 29.5	7 32.9	7 36.5	7 40.2	7 44.1	7 48.3	7 52.7	7 57.4	8 2.5	8 7.9	8 13.7
18	7 35.3	7 38.9	7 42.7	7 46.7	7 50.9	7 55.4	8 0.2	8 5.3	8 10.8	8 16.6	8 23.0
19	7 41.1	7 45.0	7 49.1	7 53.4	7 57.9	8 2.8	8 7.9	8 13.4	8 19.4	8 25.7	8 32.6
20	7 47.1	7 51.3	7 55.6	8 0.3	8 5.2	8 10.4	8 15.9	8 21.9	8 28.3	8 35.2	8 42.8
+21	7 53.3	7 57.7	8 2.4	8 7.3	8 12.6	8 18.2	8 24.2	8 30.7	8 37.6	8 45.2	8 53.5
22	7 59.6	8 4.3	8 9.4	8 14.7	8 20.3	8 26.4	8 32.8	8 39.8	8 47.4	8 55.7	9 4.8
23	8 6.1	8 11.2	8 16.6	8 22.3	8 28.3	8 34.9	8 41.9	8 49.5	8 57.7	9 6.8	9 16.9
24	8 12.9	8 18.3	8 24.0	8 30.2	8 36.7	8 43.8	8 51.4	8 59.6	9 8.7	9 18.8	9 30.0
25	8 19.9	8 25.7	8 31.8	8 38.4	8 45.5	8 53.1	9 1.4	9 10.5	9 20.5	9 31.7	9 44.4
26	8 27.1	8 33.4	8 40.0	8 47.0	8 54.7	9 3.0	9 12.1	9 22.1	9 33.2	9 45.9	10 0.6
27	8 34.7	8 41.4	8 48.5	8 56.1	9 4.4	9 13.5	9 23.5	9 34.6	9 47.3	10 1.9	10 19.5
28	8 42.6	8 49.8	8 57.5	9 5.8	9 14.8	9 24.8	9 35.9	9 48.5	10 3.1	10 20.5	10 42.9
29	8 51.0	8 58.7	9 7.0	9 16.1	9 26.0	9 37.1	9 49.6	10 4.1	10 21.5	10 43.7	11 18.1
+30	8 59.7	9 8.1	9 17.2	9 27.1	9 38.2	9 50.7	10 5.1	10 22.3	10 44.4	10 18.5	—

Reduktionstafel

für Auf- und Untergang der Sonne

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang

Tag	Geographische Breite φ										
	+30°	+32°	+34°	+36°	+38°	+40°	+42°	+44°	+46°	+48°	+50°
1921	m	m	m	m	m	m	m	m	m	m	m
Jan. 0	−62.8	−58.1	−53.2	−48.1	−42.7	−36.8	−30.6	−23.8	−16.5	−8.7	0.0
10	−58.8	−54.3	−49.8	−44.9	−39.8	−34.3	−28.5	−22.2	−15.5	−8.0	0.0
20	−52.6	−48.6	−44.4	−40.0	−35.5	−30.6	−25.3	−19.8	−13.8	−7.1	0.0
30	−44.8	−41.4	−37.8	−34.1	−30.1	−26.0	−21.5	−16.7	−11.7	−6.0	0.0
Febr. 9	−36.1	−33.3	−30.4	−27.4	−24.2	−20.8	−17.2	−13.3	−9.3	−4.9	0.0
19	−26.8	−24.8	−22.5	−20.3	−18.0	−15.4	−12.7	−9.8	−6.8	−3.6	0.0
März 1	−17.2	−15.9	−14.4	−13.0	−11.5	−9.8	−8.1	−6.2	−4.3	−2.3	0.0
11	−7.5	−7.0	−6.3	−5.7	−5.0	−4.2	−3.5	−2.7	−1.9	−1.0	0.0
21	+2.2	+2.0	+1.9	+1.8	+1.5	+1.4	+1.1	+0.9	+0.6	+0.2	0.0
31	+11.8	+10.9	+10.0	+9.1	+8.0	+6.9	+5.7	+4.5	+3.1	+1.5	0.0
April 10	+21.5	+19.8	+18.2	+16.4	+14.4	+12.4	+10.2	+8.1	+5.5	+2.8	0.0
20	+31.0	+28.6	+26.2	+23.6	+20.7	+17.9	+14.8	+11.6	+8.0	+4.1	0.0
30	+40.1	+37.1	+33.9	+30.6	+27.1	+23.3	+19.4	+15.1	+10.5	+5.4	0.0
Mai 10	+48.8	+45.1	+41.2	+37.2	+33.1	+28.4	+23.6	+18.4	+12.8	+6.7	0.0
20	+56.4	+52.3	+47.9	+43.2	+38.4	+33.0	+27.5	+21.5	+14.9	+7.8	0.0
30	+62.7	+58.2	+53.3	+48.1	+42.8	+36.9	+30.7	+24.0	+16.7	+8.8	0.0
Juni 9	+67.0	+62.1	+57.0	+51.5	+45.7	+39.5	+32.9	+25.8	+18.0	+9.5	0.0
19	+68.8	+63.8	+58.6	+52.9	+47.0	+40.7	+33.9	+26.6	+18.5	+9.8	0.0
29	+68.0	+63.0	+57.9	+52.3	+46.5	+40.2	+33.4	+26.2	+18.2	+9.6	0.0
Juli 9	+64.7	+59.9	+55.0	+49.6	+44.1	+38.1	+31.7	+24.9	+17.3	+9.1	0.0
19	+59.2	+54.7	+50.2	+45.3	+40.3	+34.8	+28.8	+22.6	+15.7	+8.2	0.0
29	+52.0	+48.1	+44.2	+39.7	+35.3	+30.4	+25.3	+19.7	+13.7	+7.1	0.0
Aug. 8	+43.8	+40.5	+37.1	+33.4	+29.6	+25.5	+21.2	+16.5	+11.5	+5.9	0.0
18	+35.0	+32.3	+29.5	+26.6	+23.5	+20.3	+16.9	+13.0	+9.1	+4.8	0.0
28	+25.7	+23.7	+21.7	+19.6	+17.3	+14.9	+12.4	+9.5	+6.7	+3.5	0.0
Sept. 7	+16.3	+15.0	+13.7	+12.4	+11.0	+9.4	+7.8	+6.0	+4.2	+2.2	0.0
17	+6.8	+6.2	+5.6	+5.1	+4.6	+3.9	+3.2	+2.5	+1.8	+1.0	0.0
27	−2.9	−2.6	−2.4	−2.1	−1.8	−1.6	−1.3	−1.0	−0.7	−0.3	0.0
Okt. 7	−12.5	−11.4	−10.4	−9.4	−8.2	−7.1	−5.8	−4.6	−3.1	−1.5	0.0
17	−22.0	−20.3	−18.5	−16.6	−14.6	−12.6	−10.3	−8.1	−5.5	−2.8	0.0
27	−31.3	−28.9	−26.4	−23.7	−21.0	−18.0	−14.8	−11.6	−8.0	−4.1	0.0
Nov. 6	−40.3	−37.2	−34.0	−30.6	−27.1	−23.2	−19.2	−15.0	−10.3	−5.4	0.0
16	−48.6	−44.9	−41.0	−37.1	−32.7	−28.1	−23.3	−18.2	−12.6	−6.7	0.0
26	−55.7	−51.5	−47.1	−42.5	−37.6	−32.3	−27.0	−21.0	−14.6	−7.7	0.0
Dez. 6	−60.9	−56.3	−51.6	−46.6	−41.3	−35.6	−29.6	−23.1	−16.1	−8.5	0.0
16	−63.8	−59.0	−54.1	−48.9	−43.3	−37.4	−31.1	−24.3	−16.9	−8.9	0.0
26	−64.0	−59.2	−54.1	−48.9	−43.3	−37.4	−31.1	−24.3	−16.9	−8.9	0.0
36	−61.3	−56.7	−51.8	−46.8	−41.5	−35.8	−29.8	−23.3	−16.1	−8.4	0.0

Reduktionstafel

für Auf- und Untergang der Sonne

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang

Tag	Geographische Breite φ										
	+50°	+51°	+52°	+53°	+54°	+55°	+56°	+57°	+58°	+59°	+60°
1921	m	m	m	m	m	m	m	m	m	m	m
Jan. 0	0.0	+4.7	+ 9.6	+14.8	+20.6	+26.5	+32.9	+39.7	+47.1	+55.2	+64.1
10	0.0	+4.4	+ 8.9	+13.9	+18.9	+24.5	+30.3	+36.6	+43.3	+50.6	+58.6
20	0.0	+3.8	+ 7.9	+12.2	+16.7	+21.4	+26.6	+32.0	+37.7	+44.0	+50.7
30	0.0	+3.2	+ 6.7	+10.2	+13.9	+17.9	+22.2	+26.6	+31.4	+36.5	+42.0
Febr. 9	0.0	+2.5	+ 5.3	+ 8.1	+11.0	+14.3	+17.5	+20.9	+24.7	+28.6	+32.9
19	0.0	+1.8	+ 3.9	+ 5.9	+ 8.0	+10.4	+12.8	+15.2	+18.0	+20.8	+23.8
März 1	0.0	+1.2	+ 2.5	+ 3.8	+ 5.1	+ 6.6	+ 8.1	+ 9.6	+11.4	+13.1	+14.8
11	0.0	+0.5	+ 1.1	+ 1.6	+ 2.2	+ 2.9	+ 3.5	+ 4.1	+ 4.8	+ 5.6	+ 6.3
21	0.0	−0.2	− 0.3	− 0.5	− 0.7	− 0.9	− 1.2	− 1.4	− 1.6	− 1.9	− 2.3
31	0.0	−0.9	− 1.7	− 2.6	− 3.7	− 4.6	− 5.8	− 7.0	− 8.1	− 9.5	−10.8
April 10	0.0	−1.5	− 3.1	− 4.8	− 6.7	− 8.4	−10.4	−12.6	−14.7	−17.1	−19.5
20	0.0	−2.2	− 4.5	− 7.0	− 9.7	−12.3	−15.2	−18.3	−21.5	−24.9	−28.6
30	0.0	−3.0	− 6.0	− 9.2	−12.7	−16.2	−20.0	−24.1	−28.3	−32.9	−37.8
Mai 10	0.0	−3.6	− 7.3	−11.3	−15.6	−20.1	−24.7	−29.9	−35.3	−41.1	−47.3
20	0.0	−4.2	− 8.7	−13.3	−18.3	−23.7	−29.3	−35.5	−42.0	−49.1	−56.8
30	0.0	−4.7	− 9.8	−15.1	−20.7	−26.9	−33.4	−40.4	−48.0	−56.2	−65.4
Juni 9	0.0	−5.1	−10.6	−16.4	−22.5	−29.1	−36.2	−44.0	−52.4	−61.6	−72.0
19	0.0	−5.3	−10.9	−16.9	−23.3	−30.2	−37.5	−45.6	−54.4	−64.0	−75.1
29	0.0	−5.2	−10.7	−16.6	−22.9	−29.6	−37.0	−44.9	−53.5	−62.9	−73.7
Juli 9	0.0	−4.9	−10.1	−15.7	−21.6	−27.9	−34.6	−42.0	−49.9	−58.7	−68.3
19	0.0	−4.4	− 9.1	−14.1	−19.4	−25.0	−31.1	−37.5	−44.5	−52.1	−60.4
29	0.0	−3.8	− 8.0	−12.2	−16.7	−21.5	−26.7	−32.2	−38.1	−44.4	−51.3
Aug. 8	0.0	−3.2	− 6.6	−10.1	−13.9	−17.9	−22.1	−26.5	−31.3	−36.3	−41.8
18	0.0	−2.5	− 5.2	− 7.9	−10.9	−14.0	−17.3	−20.7	−24.5	−28.3	−32.6
28	0.0	−1.8	− 3.8	− 5.8	− 7.9	−10.2	−12.5	−15.0	−17.7	−20.5	−23.5
Sept. 7	0.0	−1.2	− 2.4	− 3.7	− 5.0	− 6.4	− 7.9	− 9.4	−11.1	−12.9	−14.7
17	0.0	−0.5	− 1.0	− 1.6	− 2.1	− 2.6	− 3.3	− 3.9	− 4.7	− 5.4	− 6.1
27	0.0	+0.2	+ 0.4	+ 0.5	+ 0.8	+ 1.1	+ 1.2	+ 1.5	+ 1.7	+ 2.0	+ 2.3
Okt. 7	0.0	+0.9	+ 1.7	+ 2.7	+ 3.7	+ 4.8	+ 5.8	+ 6.9	+ 8.1	+ 9.4	+10.7
17	0.0	+1.6	+ 3.1	+ 4.8	+ 6.6	+ 8.4	+10.3	+12.4	+14.6	+16.9	+19.4
27	0.0	+2.2	+ 4.5	+ 6.9	+ 9.5	+12.2	+15.0	+18.0	+21.2	+24.5	+28.1
Nov. 6	0.0	+2.9	+ 5.9	+ 9.0	+12.5	+16.0	+19.7	+23.6	+27.8	+32.3	+37.2
16	0.0	+3.6	+ 7.3	+11.1	+15.3	+19.6	+24.2	+29.2	+34.4	+40.0	+46.1
26	0.0	+4.1	+ 8.4	+13.0	+17.8	+22.9	+28.3	+34.2	+40.5	+47.2	+54.6
Dez. 6	0.0	+4.6	+ 9.3	+14.5	+19.7	+25.5	+31.7	+38.2	+45.3	+53.0	+61.4
16	0.0	+4.8	+ 9.8	+15.2	+20.9	+27.0	+33.5	+40.5	+48.1	+56.3	+65.5
26	0.0	+4.8	+ 9.8	+15.2	+20.9	+27.0	+33.5	+40.5	+48.3	+56.5	+65.7
36	0.0	+4.6	+ 9.3	+14.4	+19.9	+25.7	+31.9	+38.4	+45.6	+53.4	+61.8

Reduktionstafel

für Auf- und Untergang des Mondes

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang

t *)	Geographische Breite φ										
	+30°	+32°	+34°	+36°	+38°	+40°	+42°	+44°	+46°	+48°	+50°
h m	m	m	m	m	m	m	m	m	m	m	m
3 20	−94.6	−87.9	−80.9	−73.4	−65.5	−56.9	−47.6	−37.5	−26.4	−14.0	0.0
3 30	−88.5	−82.2	−75.6	−68.5	−61.0	−52.9	−44.2	−34.8	−24.4	−12.9	0.0
3 40	−82.5	−76.5	−70.3	−63.7	−56.6	−49.1	−41.0	−32.2	−22.5	−11.9	0.0
3 50	−76.6	−71.0	−65.2	−59.0	−52.4	−45.3	−37.8	−29.6	−20.7	−10.9	0.0
4 0	−70.8	−65.6	−60.1	−54.4	−48.2	−41.7	−34.7	−27.2	−18.9	− 9.9	0.0
4 10	−65.1	−60.3	−55.2	−49.9	−44.2	−38.2	−31.7	−24.8	−17.3	− 9.0	0.0
4 20	−59.5	−55.0	−50.3	−45.5	−40.3	−34.8	−28.9	−22.5	−15.7	− 8.2	0.0
4 30	−54.0	−49.9	−45.6	−41.2	−36.5	−31.4	−26.1	−20.4	−14.1	− 7.4	0.0
4 40	−48.4	−44.8	−40.9	−36.9	−32.7	−28.2	−23.3	−18.2	−12.6	− 6.6	0.0
4 50	−43.0	−39.8	−36.4	−32.7	−29.0	−24.9	−20.7	−16.1	−11.2	− 5.8	0.0
5 0	−37.7	−34.8	−31.8	−28.6	−25.3	−21.8	−18.1	−14.1	− 9.8	− 5.0	0.0
5 10	−32.4	−29.9	−27.3	−24.6	−21.7	−18.7	−15.5	−12.1	− 8.4	− 4.3	0.0
5 20	−27.1	−25.0	−22.8	−20.6	−18.2	−15.6	−12.9	−10.1	− 7.0	− 3.6	0.0
5 30	−21.9	−20.2	−18.4	−16.6	−14.7	−12.6	−10.4	− 8.1	− 5.6	− 2.9	0.0
5 40	−16.7	−15.4	−14.0	−12.6	−11.2	− 9.6	− 7.9	− 6.2	− 4.3	− 2.2	0.0
5 50	−11.5	−10.6	− 9.7	− 8.7	− 7.7	− 6.6	− 5.5	− 4.2	− 2.9	− 1.5	0.0
6 0	− 6.4	− 5.8	− 5.4	− 4.8	− 4.2	− 3.6	− 3.0	− 2.3	− 1.6	− 0.9	0.0
6 10	− 1.2	− 1.1	− 1.0	− 0.9	− 0.8	− 0.7	− 0.6	− 0.4	− 0.3	− 0.2	0.0
6 20	+ 4.0	+ 3.7	+ 3.4	+ 3.0	+ 2.6	+ 2.3	+ 1.9	+ 1.5	+ 1.0	+ 0.5	0.0
6 30	+ 9.1	+ 8.4	+ 7.7	+ 6.9	+ 6.1	+ 5.3	+ 4.4	+ 3.4	+ 2.4	+ 1.2	0.0
6 40	+14.3	+13.2	+12.0	+10.8	+ 9.6	+ 8.2	+ 6.8	+ 5.3	+ 3.7	+ 1.9	0.0
6 50	+19.5	+18.0	+16.4	+14.8	+13.1	+11.2	+ 9.3	+ 7.2	+ 5.0	+ 2.6	0.0
7 0	+24.7	+22.8	+20.9	+18.8	+16.6	+14.2	+11.8	+ 9.1	+ 6.3	+ 3.3	0.0
7 10	+30.0	+27.7	+25.3	+22.8	+20.1	+17.3	+14.3	+11.1	+ 7.7	+ 4.0	0.0
7 20	+35.3	+32.6	+29.7	+26.8	+23.7	+20.3	+16.8	+13.1	+ 9.1	+ 4.7	0.0
7 30	+40.6	+37.5	+34.3	+30.9	+27.3	+23.4	+19.4	+15.1	+10.5	+ 5.5	0.0
7 40	+45.9	+42.5	+38.9	+35.0	+31.0	+26.6	+22.1	+17.2	+12.0	+ 6.2	0.0
7 50	+51.4	+47.6	+43.5	+39.2	+34.7	+29.9	+24.8	+19.3	+13.5	+ 7.0	0.0
8 0	+56.9	+52.7	+48.2	+43.5	+38.5	+33.2	+27.6	+21.5	+15.0	+ 7.8	0.0
8 10	+62.5	+57.9	+53.0	+47.9	+42.4	+36.6	+30.4	+23.8	+16.6	+ 8.6	0.0
8 20	+68.2	+63.2	+57.9	+52.3	+46.4	+40.1	+33.3	+26.1	+18.2	+ 9.5	0.0
8 30	+74.0	+68.5	+62.9	+56.9	+50.5	+43.7	+36.4	+28.5	+19.8	+10.5	0.0
8 40	+79.8	+74.0	+67.9	+61.5	+54.7	+47.3	+39.5	+30.9	+21.6	+11.4	0.0
8 50	+85.8	+79.6	+73.1	+66.3	+59.0	+51.1	+42.7	+33.5	+23.5	+12.5	0.0
9 0	+91.9	+85.3	+78.4	+71.2	+63.4	+55.0	+46.0	+36.3	+25.5	+13.5	0.0

*) *t* ist beim Aufgange der Zeitunterschied zwischen Aufgang und Kulmination, beim Untergange der Zeitunterschied zwischen Kulmination und Untergang

Reduktionstafel

für Auf- und Untergang des Mondes

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang

t*)	Geographische Breite φ										
	+50°	+51°	+52°	+53°	+54°	+55°	+56°	+57°	+58°	+59°	+60°
h m	m	m	m	m	m	m	m	m	m	m	m
3 20	0.0	+7.7	+16.1	+25.2	+35.1	+46.1	+58.4	+72.5	+89.1	+109.7	+138.1
3 30	0.0	+7.1	+14.7	+22.9	+31.8	+41.6	+52.4	+64.5	+78.3	+ 94.5	+114.3
3 40	0.0	+6.5	+13.4	+20.9	+28.9	+37.6	+47.2	+57.7	+69.4	+ 82.7	+ 98.2
3 50	0.0	+5.9	+12.2	+19.0	+26.2	+34.0	+42.5	+51.7	+61.9	+ 73.3	+ 86.1
4 0	0.0	+5.4	+11.1	+17.2	+23.7	+30.8	+38.2	+46.3	+55.2	+ 65.0	+ 76.0
4 10	0.0	+4.9	+10.1	+15.6	+21.4	+27.7	+34.4	+41.6	+49.4	+ 57.9	+ 67.3
4 20	0.0	+4.5	+ 9.1	+14.0	+19.2	+24.8	+30.8	+37.3	+44.0	+ 51.5	+ 59.6
4 30	0.0	+4.0	+ 8.1	+12.5	+17.2	+22.2	+27.5	+33.1	+39.1	+ 45.7	+ 52.7
4 40	0.0	+3.5	+ 7.3	+11.2	+15.3	+19.7	+24.3	+29.3	+34.5	+ 40.2	+ 46.3
4 50	0.0	+3.1	+ 6.4	+ 9.8	+13.4	+17.3	+21.4	+25.6	+30.2	+ 35.1	+ 40.4
5 0	0.0	+2.7	+ 5.5	+ 8.5	+11.6	+15.0	+18.5	+22.2	+26.1	+ 30.3	+ 34.8
5 10	0.0	+2.3	+ 4.7	+ 7.2	+10.0	+12.8	+15.7	+18.9	+22.2	+ 25.7	+ 29.5
5 20	0.0	+2.0	+ 3.9	+ 6.0	+ 8.3	+10.7	+13.1	+15.7	+18.4	+ 21.3	+ 24.4
5 30	0.0	+1.6	+ 3.2	+ 4.8	+ 6.7	+ 8.5	+10.5	+12.6	+14.8	+ 17.1	+ 19.6
5 40	0.0	+1.2	+ 2.4	+ 3.7	+ 5.0	+ 6.5	+ 7.9	+ 9.5	+11.2	+ 13.0	+ 14.8
5 50	0.0	+0.8	+ 1.7	+ 2.6	+ 3.4	+ 4.4	+ 5.5	+ 6.5	+ 7.7	+ 8.9	+ 10.2
6 0	0.0	+0.5	+ 0.9	+ 1.4	+ 1.9	+ 2.4	+ 3.0	+ 3.6	+ 4.2	+ 4.9	+ 5.6
6 10	0.0	+0.1	+ 0.2	+ 0.2	+ 0.4	+ 0.5	+ 0.6	+ 0.7	+ 0.8	+ 0.9	+ 1.1
6 20	0.0	−0.3	− 0.6	− 0.9	− 1.2	− 1.5	− 1.9	− 2.3	− 2.6	− 3.0	− 3.5
6 30	0.0	−0.6	− 1.3	− 2.0	− 2.7	− 3.5	− 4.3	− 5.2	− 6.0	− 7.0	− 8.0
6 40	0.0	−1.0	− 2.1	− 3.1	− 4.3	− 5.5	− 6.8	− 8.1	− 9.5	− 11.0	− 12.6
6 50	0.0	−1.3	− 2.9	− 4.3	− 5.9	− 7.5	− 9.4	−11.2	−13.1	− 15.1	− 17.3
7 0	0.0	−1.7	− 3.6	− 5.5	− 7.5	− 9.6	−11.9	−14.2	−16.7	− 19.3	− 22.2
7 10	0.0	−2.1	− 4.4	− 6.7	− 9.2	−11.7	−14.5	−17.4	−20.4	− 23.7	− 27.1
7 20	0.0	−2.5	− 5.1	− 7.9	−10.8	−13.8	−17.1	−20.6	−24.2	− 28.1	− 32.3
7 30	0.0	−2.9	− 6.0	− 9.2	−12.6	−16.1	−19.9	−24.0	−28.2	− 32.8	− 37.7
7 40	0.0	−3.3	− 6.9	−10.6	−14.4	−18.5	−22.9	−27.5	−32.4	− 37.8	− 43.4
7 50	0.0	−3.8	− 7.7	−12.0	−16.3	−21.0	−25.9	−31.3	−36.9	− 43.0	− 49.6
8 0	0.0	−4.2	− 8.7	−13.4	−18.3	−23.7	−29.2	−35.3	−41.7	− 48.7	− 56.3
8 10	0.0	−4.7	− 9.6	−14.9	−20.4	−26.4	−32.6	−39.5	−46.8	− 54.8	− 63.5
8 20	0.0	−5.2	−10.6	−16.4	−22.6	−29.2	−36.3	−44.0	−52.3	− 61.5	− 71.6
8 30	0.0	−5.7	−11.7	−18.1	−25.0	−32.4	−40.4	−49.1	−58.6	− 69.1	− 81.0
8 40	0.0	−6.3	−12.9	−19.9	−27.6	−35.8	−44.9	−54.9	−65.7	− 77.9	− 92.1
8 50	0.0	−6.8	−14.1	−21.9	−30.5	−39.7	−49.8	−61.2	−73.8	− 88.5	−106.1
9 0	0.0	−7.4	−15.4	−24.1	−33.7	−44.1	−55.3	−68.4	−83.6	−101.4	−125.9

*) *t* ist beim Aufgange der Zeitunterschied zwischen Aufgang und Kulmination, beim Untergange der Zeitunterschied zwischen Kulmination und Untergang

Julianische Periode

I. Anzahl der am 0. Januar seit Anfang der Periode verflossenen Tage

Jahr n. Chr.	0	100	200	300	400	500	600	700	800	900
	17	17	17	18	18	19	19	19	20	20
0	21057	57582	94107	30632	67157	03682	40207	76732	13257	49782
4	22518	59043	95568	32093	68618	05143	41668	78193	14718	51243
8	23979	60504	97029	33554	70079	06604	43129	79654	16179	52704
12	25440	61965	98490	35015	71540	08065	44590	81115	17640	54165
16	26901	63426	99951	36476	73001	09526	46051	82576	19101	55626
20	28362	64887	01412	37937	74462	10987	47512	84037	20562	57087
24	29823	66348	02873	39398	75923	12448	48973	85498	22023	58548
28	31284	67809	04334	40859	77384	13909	50434	86959	23484	60009
32	32745	69270	05795	42320	78845	15370	51895	88420	24945	61470
36	34206	70731	07256	43781	80306	16831	53356	89881	26406	62931
40	35667	72192	08717	45242	81767	18292	54817	91342	27867	64392
44	37128	73653	10178	46703	83228	19753	56278	92803	29328	65853
48	38589	75114	11639	48164	84689	21214	57739	94264	30789	67314
52	40050	76575	13100	49625	86150	22675	59200	95725	32250	68775
56	41511	78036	14561	51086	87611	24136	60661	97186	33711	70236
60	42972	79497	16022	52547	89072	25597	62122	98647	35172	71697
64	44433	80958	17483	54008	90533	27058	63583	00108	36633	73158
68	45894	82419	18944	55469	91994	28519	65044	01569	38094	74619
72	47355	83880	20405	56930	93455	29980	66505	03030	39555	76080
76	48816	85341	21866	58391	94916	31441	67966	04491	41016	77541
80	50277	86802	23327	59852	96377	32902	69427	05952	42477	79002
84	51738	88263	24788	61313	97838	34363	70888	07413	43938	80463
88	53199	89724	26249	62774	99299	35824	72349	08874	45399	81924
92	54660	91185	27710	64235	00760	37285	73810	10335	46860	83385
96	56121	92646	29171	65696	02221	38746	75271	11796	48321	84846
100	57582	94107	30632	67157	03682	40207	76732	13257	49782	86307
	17	17	18	18	19	19	19	20	20	20

Ia. Anzahl der am 0. jedes Monats seit Beginn der Schaltperiode verflossenen Tage

Jahr	Jan. 0	Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
0	0	31	60	91	121	152	182	213	244	274	305	335
1	366	397	425	456	486	517	547	578	609	639	670	700
2	731	762	790	821	851	882	912	943	974	1004	1035	1065
3	1096	1127	1155	1186	1216	1247	1277	1308	1339	1369	1400	1430

Julianische Periode

I. Anzahl der am 0. Januar seit Anfang der Periode verflossenen Tage

Jahr n. Chr.	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900
	20	21	21	21	22	22	23	23	23	24
0	86307	22832	59357	95882	32407	68932	05447	41971[1]	78495[1]	15019[1]
4	87768	24293	60818	97343	33868	70393	06908	43432	79956	16480
8	89229	25754	62279	98804	35329	71854	08369	44893	81417	17941
12	90690	27215	63740	00265	36790	73315	09830	46354	82878	19402
16	92151	28676	65201	01726	38251	74776	11291	47815	84339	20863
20	93612	30137	66662	03187	39712	76237	12752	49276	85800	22324
24	95073	31598	68123	04648	41173	77698	14213	50737	87261	23785
28	96534	33059	69584	06109	42634	79159	15674	52198	88722	25246
32	97995	34520	71045	07570	44095	80620	17135	53659	90183	26707
36	99456	35981	72506	09031	45556	82081	18596	55120	91644	28168
40	00917	37442	73967	10492	47017	83542	20057	56581	93105	29629
44	02378	38903	75428	11953	48478	85003	21518	58042	94566	31090
48	03839	40364	76889	13414	49939	86464	22979	59503	96027	32551
52	05300	41825	78350	14875	51400	87925	24440	60964	97488	34012
56	06761	43286	79811	16336	52861	89386	25901	62425	98949	35473
60	08222	44747	81272	17797	54322	90847	27362	63886	00410	36934
64	09683	46208	82733	19258	55783	92308	28823	65347	01871	38395
68	11144	47669	84194	20719	57244	93769	30284	66808	03332	39856
72	12605	49130	85655	22180	58705	95230	31745	68269	04793	41317
76	14066	50591	87116	23641	60166	96691	33206	69730	06254	42778
80	15527	52052	88577	25102	61627	98152	34667	71191	07715	44239
84	16988	53513	90038	26563	63088	99603	36128	72652	09176	45700
88	18449	54974	91499	28024	64549	01064	37589	74113	10637	47161
92	19910	56435	92960	29485	66010	02525	39050	75574	12098	48622
96	21371	57896	94421	30946	67471	03986	40511	77035	13559	50083
100	22832	59357	95882	32407	68932	05447	41971[1]	78495[1]	15019[1]	51544
	21	21	21	22	22	23	23	23	24	24

[1]) Die Zahlen geben die am —1. Jan. seit Anfang der Periode verflossenen Tage

Ia. Anzahl der am 0. jedes Monats seit Beginn der Schaltperiode verflossenen Tage

Jahr	Jan. 0	Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
0	0[2]	31[2]	60	91	121	152	182	213	244	274	305	335
1	366	397	425	456	486	517	547	578	609	639	670	700
2	731	762	790	821	851	882	912	943	974	1004	1035	1065
3	1096	1127	1155	1186	1216	1247	1277	1308	1339	1369	1400	1430

Von 1582 Okt. 15 bis 1583 Dez. 31 sind die Zahlen der Tafel Ia um 10 zu verkleinern

[2]) In den Jahren 1700, 1800, 1900 um 1 zu vergrößern

Julianische Periode

II. Anzahl der seit Beginn der Periode am 0. jedes Monats im gregorianischen Kalender verflossenen Tage

Jahr n. Chr.	Januar 0		Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
1860	2400	410	441	470	501	531	562	592	623	654	684	715	745
1861		776	807	835	866	896	927	957	988	*019	*049	*080	*110
1862	2401	141	172	200	231	261	292	322	353	384	414	445	475
1863		506	537	565	596	626	657	687	718	749	779	810	840
1864		871	902	931	962	992	*023	*053	*084	*115	*145	*176	*206
1865	2402	237	268	296	327	357	388	418	449	480	510	541	571
1866		602	633	661	692	722	753	783	814	845	875	906	936
1867		967	998	*026	*057	*087	*118	*148	*179	*210	*240	*271	*301
1868	2403	332	363	392	423	453	484	514	545	576	606	637	667
1869		698	729	757	788	818	849	879	910	941	971	*002	*032
1870	2404	063	094	122	153	183	214	244	275	306	336	367	397
1871		428	459	487	518	548	579	609	640	671	701	732	762
1872		793	824	853	884	914	945	975	*006	*037	*067	*098	*128
1873	2405	159	190	218	249	279	310	340	371	402	432	463	493
1874		524	555	583	614	644	675	705	736	767	797	828	858
1875		889	920	948	979	*009	*040	*070	*101	*132	*162	*193	*223
1876	2406	254	285	314	345	375	406	436	467	498	528	559	589
1877		620	651	679	710	740	771	801	832	863	893	924	954
1878		985	*016	*044	*075	*105	*136	*166	*197	*228	*258	*289	*319
1879	2407	350	381	409	440	470	501	531	562	593	623	654	684
1880		715	746	775	806	836	867	897	928	959	989	*020	*050
1881	2408	081	112	140	171	201	232	262	293	324	354	385	415
1882		446	477	505	536	566	597	627	658	689	719	750	780
1883		811	842	870	901	931	962	992	*023	*054	*084	*115	*145
1884	2409	176	207	236	267	297	328	358	389	420	450	481	511
1885		542	573	601	632	662	693	723	754	785	815	846	876
1886		907	938	966	997	*027	*058	*088	*119	*150	*180	*211	*241
1887	2410	272	303	331	362	392	423	453	484	515	545	576	606
1888		637	668	697	728	758	789	819	850	881	911	942	972
1889	2411	003	034	062	093	123	154	184	215	246	276	307	337
1890		368	399	427	458	488	519	549	580	611	641	672	702
1891		733	764	792	823	853	884	914	945	976	*006	*037	*067
1892	2412	098	129	158	189	219	250	280	311	342	372	403	433
1893		464	495	523	554	584	615	645	676	707	737	768	798
1894		829	860	888	919	949	980	*010	*041	*072	*102	*133	*163
1895	2413	194	225	253	284	314	345	375	406	437	467	498	528
1896		559	590	619	650	680	711	741	772	803	833	864	894
1897		925	956	984	*015	*045	*076	*106	*137	*168	*198	*229	*259
1898	2414	290	321	349	380	410	441	471	502	533	563	594	624
1899		655	686	714	745	775	806	836	867	898	928	959	989

Julianische Periode

II. Anzahl der seit Beginn der Periode am 0. jedes Monats im gregorianischen Kalender verflossenen Tage

Jahr n. Chr.	Januar 0		Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
1900	2415	020	051	079	110	140	171	201	232	263	293	324	354
1901		385	416	444	475	505	536	566	597	628	658	689	719
1902		750	781	809	840	870	901	931	962	993	*023	*054	*084
1903	2416	115	146	174	205	235	266	296	327	358	388	419	449
1904		480	511	540	571	601	632	662	693	724	754	785	815
1905		846	877	905	936	966	997	*027	*058	*089	*119	*150	*180
1906	2417	211	242	270	301	331	362	392	423	454	484	515	545
1907		576	607	635	666	696	727	757	788	819	849	880	910
1908		941	972	*001	*032	*062	*093	*123	*154	*185	*215	*246	*276
1909	2418	307	338	366	397	427	458	488	519	550	580	611	641
1910		672	703	731	762	792	823	853	884	915	945	976	*006
1911	2419	037	068	096	127	157	188	218	249	280	310	341	371
1912		402	433	462	493	523	554	584	615	646	676	707	737
1913		768	799	827	858	888	919	949	980	*011	*041	*072	*102
1914	2420	133	164	192	223	253	284	314	345	376	406	437	467
1915		498	529	557	588	618	649	679	710	741	771	802	832
1916		863	894	923	954	984	*015	*045	*076	*107	*137	*168	*198
1917	2421	229	260	288	319	349	380	410	441	472	502	533	563
1918		594	625	653	684	714	745	775	806	837	867	898	928
1919		959	990	*018	*049	*079	*110	*140	*171	*202	*232	*263	*293
1920	2422	324	355	384	415	445	476	506	537	568	598	629	659
1921		690	721	749	780	810	841	871	902	933	963	994	*024
1922	2423	055	086	114	145	175	206	236	267	298	328	359	389
1923		420	451	479	510	540	571	601	632	663	693	724	754
1924		785	816	845	876	906	937	967	998	*029	*059	*090	*120
1925	2424	151	182	210	241	271	302	332	363	394	424	455	485
1926		516	547	575	606	636	667	697	728	759	789	820	850
1927		881	912	940	971	*001	*032	*062	*093	*124	*154	*185	*215
1928	2425	246	277	306	337	367	398	428	459	490	520	551	581
1929		612	643	671	702	732	763	793	824	855	885	916	946
1930		977	*008	*036	*067	*097	*128	*158	*189	*220	*250	*281	*311
1931	2426	342	373	401	432	462	493	523	554	585	615	646	676
1932		707	738	767	798	828	859	889	920	951	981	*012	*042
1933	2427	073	104	132	163	193	224	254	285	316	346	377	407
1934		438	469	497	528	558	589	619	650	681	711	742	772
1935		803	834	862	893	923	954	984	*015	*046	*076	*107	*137
1936	2428	168	199	228	259	289	320	350	381	412	442	473	503
1937		534	565	593	624	654	685	715	746	777	807	838	868
1938		899	930	958	989	*019	*050	*080	*111	*142	*172	*203	*233
1939	2429	264	295	323	354	384	415	445	476	507	537	568	598

Red.	0^m	1^m	2^m	3^m	Red.		Red.	
s	h m s	h m s	h m s	h m s	s	m s	s	m s
0	0 0 0	6 5 15	12 10 29	18 15 44	0.00	0 0	0.50	3 3
1	0 6 5	6 11 20	12 16 34	18 21 49	0.01	0 4	0.51	3 6
2	0 12 10	6 17 25	12 22 40	18 27 54	0.02	0 7	0.52	3 10
3	0 18 16	6 23 30	12 28 45	18 33 59	0.03	0 11	0.53	3 14
4	0 24 21	6 29 36	12 34 50	18 40 5	0.04	0 15	0.54	3 17
5	0 30 26	6 35 41	12 40 55	18 46 10	0.05	0 18	0.55	3 21
6	0 36 31	6 41 46	12 47 1	18 52 15	0.06	0 22	0.56	3 25
7	0 42 37	6 47 51	12 53 6	18 58 20	0.07	0 26	0.57	3 28
8	0 48 42	6 53 56	12 59 11	19 4 26	0.08	0 29	0.58	3 32
9	0 54 47	7 0 2	13 5 16	19 10 31	0.09	0 33	0.59	3 35
10	1 0 52	7 6 7	13 11 21	19 16 36	0.10	0 37	0.60	3 39
11	1 6 58	7 12 12	13 17 27	19 22 41	0.11	0 40	0.61	3 43
12	1 13 3	7 18 17	13 23 32	19 28 47	0.12	0 44	0.62	3 46
13	1 19 8	7 24 23	13 29 37	19 34 52	0.13	0 47	0.63	3 50
14	1 25 13	7 30 28	13 35 42	19 40 57	0.14	0 51	0.64	3 54
15	1 31 19	7 36 33	13 41 48	19 47 2	0.15	0 55	0.65	3 57
16	1 37 24	7 42 38	13 47 53	19 53 7	0.16	0 58	0.66	4 1
17	1 43 29	7 48 44	13 53 58	19 59 13	0.17	1 2	0.67	4 5
18	1 49 34	7 54 49	14 0 3	20 5 18	0.18	1 6	0.68	4 8
19	1 55 40	8 0 54	14 6 9	20 11 23	0.19	1 9	0.69	4 12
20	2 1 45	8 6 59	14 12 14	20 17 28	0.20	1 13	0.70	4 16
21	2 7 50	8 13 5	14 18 19	20 23 34	0.21	1 17	0.71	4 19
22	2 13 55	8 19 10	14 24 24	20 29 39	0.22	1 20	0.72	4 23
23	2 20 1	8 25 15	14 30 30	20 35 44	0.23	1 24	0.73	4 27
24	2 26 6	8 31 20	14 36 35	20 41 49	0.24	1 28	0.74	4 30
25	2 32 11	8 37 26	14 42 40	20 47 55	0.25	1 31	0.75	4 34
26	2 38 16	8 43 31	14 48 45	20 54 0	0.26	1 35	0.76	4 38
27	2 44 22	8 49 36	14 54 51	21 0 5	0.27	1 39	0.77	4 41
28	2 50 27	8 55 41	15 0 56	21 6 10	0.28	1 42	0.78	4 45
29	2 56 32	9 1 47	15 7 1	21 12 16	0.29	1 46	0.79	4 49
30	3 2 37	9 7 52	15 13 6	21 18 21	0.30	1 50	0.80	4 52
31	3 8 43	9 13 57	15 19 12	21 24 26	0.31	1 53	0.81	4 56
32	3 14 48	9 20 2	15 25 17	21 30 31	0.32	1 57	0.82	4 59
33	3 20 53	9 26 8	15 31 22	21 36 37	0.33	2 1	0.83	5 3
34	3 26 58	9 32 13	15 37 27	21 42 42	0.34	2 4	0.84	5 7
35	3 33 3	9 38 18	15 43 33	21 48 47	0.35	2 8	0.85	5 10
36	3 39 9	9 44 23	15 49 38	21 54 52	0.36	2 11	0.86	5 14
37	3 45 14	9 50 28	15 55 43	22 0 58	0.37	2 15	0.87	5 18
38	3 51 19	9 56 34	16 1 48	22 7 3	0.38	2 19	0.88	5 21
39	3 57 24	10 2 39	16 7 54	22 13 8	0.39	2 22	0.89	5 25
40	4 3 30	10 8 44	16 13 59	22 19 13	0.40	2 26	0.90	5 29
41	4 9 35	10 14 49	16 20 4	22 25 19	0.41	2 30	0.91	5 32
42	4 15 40	10 20 55	16 26 9	22 31 24	0.42	2 33	0.92	5 36
43	4 21 45	10 27 0	16 32 14	22 37 29	0.43	2 37	0.93	5 40
44	4 27 51	10 33 5	16 38 20	22 43 34	0.44	2 41	0.94	5 43
45	4 33 56	10 39 10	16 44 25	22 49 39	0.45	2 44	0.95	5 47
46	4 40 1	10 45 16	16 50 30	22 55 45	0.46	2 48	0.96	5 51
47	4 46 6	10 51 21	16 56 35	23 1 50	0.47	2 52	0.97	5 54
48	4 52 12	10 57 26	17 2 41	23 7 55	0.48	2 55	0.98	5 58
49	4 58 17	11 3 31	17 8 46	23 14 0	0.49	2 59	0.99	6 2
50	5 4 22	11 9 37	17 14 51	23 20 6	0.50	3 3	1.00	6 5
51	5 10 27	11 15 42	17 20 56	23 26 11				
52	5 16 33	11 21 47	17 27 2	23 32 16				
53	5 22 38	11 27 52	17 33 7	23 38 21				
54	5 28 43	11 33 58	17 39 12	23 44 27				
55	5 34 48	11 40 3	17 45 17	23 50 32				
56	5 40 54	11 46 8	17 51 23	23 56 37				
57	5 46 59	11 52 13	17 57 28	24 2 42				
58	5 53 4	11 58 19	18 3 33	24 8 48				
59	5 59 9	12 4 24	18 9 38	24 14 53				

Die Reduktion ist zur mittl. Zeit zu addieren

Red. s	0^m h m s	1^m h m s	2^m h m s	3^m h m s
0	0 0 0	6 6 15	12 12 29	18 18 44
1	0 6 6	6 12 21	12 18 35	18 24 50
2	0 12 12	6 18 27	12 24 42	18 30 56
3	0 18 19	6 24 33	12 30 48	18 37 2
4	0 24 25	6 30 40	12 36 54	18 43 9
5	0 30 31	6 36 46	12 43 0	18 49 15
6	0 36 37	6 42 52	12 49 7	18 55 21
7	0 42 44	6 48 58	12 55 13	19 1 27
8	0 48 50	6 55 4	13 1 19	19 7 34
9	0 54 56	7 1 11	13 7 25	19 13 40
10	1 1 2	7 7 17	13 13 31	19 19 46
11	1 7 9	7 13 23	13 19 38	19 25 52
12	1 13 15	7 19 29	13 25 44	19 31 59
13	1 19 21	7 25 36	13 31 50	19 38 5
14	1 25 27	7 31 42	13 37 56	19 44 11
15	1 31 34	7 37 48	13 44 3	19 50 17
16	1 37 40	7 43 54	13 50 9	19 56 23
17	1 43 46	7 50 1	13 56 15	20 2 30
18	1 49 52	7 56 7	14 2 21	20 8 36
19	1 55 59	8 2 13	14 8 28	20 14 42
20	2 2 5	8 8 19	14 14 34	20 20 48
21	2 8 11	8 14 26	14 20 40	20 26 55
22	2 14 17	8 20 32	14 26 46	20 33 1
23	2 20 24	8 26 38	14 32 53	20 39 7
24	2 26 30	8 32 44	14 38 59	20 45 13
25	2 32 36	8 38 51	14 45 5	20 51 20
26	2 38 42	8 44 57	14 51 11	20 57 26
27	2 44 49	8 51 3	14 57 18	21 3 32
28	2 50 55	8 57 9	15 3 24	21 9 38
29	2 57 1	9 3 16	15 9 30	21 15 45
30	3 3 7	9 9 22	15 15 36	21 21 51
31	3 9 14	9 15 28	15 21 43	21 27 57
32	3 15 20	9 21 34	15 27 49	21 34 3
33	3 21 26	9 27 41	15 33 55	21 40 10
34	3 27 32	9 33 47	15 40 1	21 46 16
35	3 33 38	9 39 53	15 46 8	21 52 22
36	3 39 45	9 45 59	15 52 14	21 58 28
37	3 45 51	9 52 5	15 58 20	22 4 35
38	3 51 57	9 58 12	16 4 26	22 10 41
39	3 58 3	10 4 18	16 10 33	22 16 47
40	4 4 10	10 10 24	16 16 39	22 22 53
41	4 10 16	10 16 30	16 22 45	22 29 0
42	4 16 22	10 22 37	16 28 51	22 35 6
43	4 22 28	10 28 43	16 34 57	22 41 12
44	4 28 35	10 34 49	16 41 4	22 47 18
45	4 34 41	10 40 55	16 47 10	22 53 24
46	4 40 47	10 47 2	16 53 16	22 59 31
47	4 46 53	10 53 8	16 59 22	23 5 37
48	4 53 0	10 59 14	17 5 29	23 11 43
49	4 59 6	11 5 20	17 11 35	23 17 49
50	5 5 12	11 11 27	17 17 41	23 23 56
51	5 11 18	11 17 33	17 23 47	23 30 2
52	5 17 25	11 23 39	17 29 54	23 36 8
53	5 23 31	11 29 45	17 36 0	23 42 14
54	5 29 37	11 35 52	17 42 6	23 48 21
55	5 35 43	11 41 58	17 48 12	23 54 27
56	5 41 50	11 48 4	17 54 19	24 0 33
57	5 47 56	11 54 10	18 0 25	24 6 39
58	5 54 2	12 0 17	18 6 31	24 12 46
59	6 0 8	12 6 23	18 12 37	24 18 52

Red. s	m s	Red. s	m s
0.00	0 0	0.50	3 3
0.01	0 4	0.51	3 7
0.02	0 7	0.52	3 10
0.03	0 11	0.53	3 14
0.04	0 15	0.54	3 18
0.05	0 18	0.55	3 21
0.06	0 22	0.56	3 25
0.07	0 26	0.57	3 29
0.08	0 29	0.58	3 32
0.09	0 33	0.59	3 36
0.10	0 37	0.60	3 40
0.11	0 40	0.61	3 43
0.12	0 44	0.62	3 47
0.13	0 48	0.63	3 51
0.14	0 51	0.64	3 54
0.15	0 55	0.65	3 58
0.16	0 59	0.66	4 2
0.17	1 2	0.67	4 5
0.18	1 6	0.68	4 9
0.19	1 10	0.69	4 13
0.20	1 13	0.70	4 16
0.21	1 17	0.71	4 20
0.22	1 21	0.72	4 24
0.23	1 24	0.73	4 27
0.24	1 28	0.74	4 31
0.25	1 32	0.75	4 35
0.26	1 35	0.76	4 38
0.27	1 39	0.77	4 42
0.28	1 43	0.78	4 46
0.29	1 46	0.79	4 49
0.30	1 50	0.80	4 53
0.31	1 54	0.81	4 57
0.32	1 57	0.82	5 0
0.33	2 1	0.83	5 4
0.34	2 5	0.84	5 8
0.35	2 8	0.85	5 11
0.36	2 12	0.86	5 15
0.37	2 16	0.87	5 19
0.38	2 19	0.88	5 22
0.39	2 23	0.89	5 26
0.40	2 26	0.90	5 30
0.41	2 30	0.91	5 33
0.42	2 34	0.92	5 37
0.43	2 37	0.93	5 41
0.44	2 41	0.94	5 44
0.45	2 45	0.95	5 48
0.46	2 48	0.96	5 52
0.47	2 52	0.97	5 55
0.48	2 56	0.98	5 59
0.49	2 59	0.99	6 3
0.50	3 3	1.00	6 6

Die Reduktion ist von der Sternzeit zu subtrahieren

	0^h	1^h	2^h	3^h	4^h	5^h		
m	d	d	d	d	d	d	s	d
0	0.000000	0.041667	0.083333	0.125000	0.166667	0.208333	0	0.000000
1	.000694	.042361	.084028	.125694	.167361	.209028	1	.000012
2	.001389	.043056	.084722	.126389	.168056	.209722	2	.000023
3	.002083	.043750	.085417	.127083	.168750	.210417	3	.000035
4	.002778	.044444	.086111	.127778	.169444	.211111	4	.000046
5	0.003472	0.045139	0.086806	0.128472	0.170139	0.211806	5	0.000058
6	.004167	.045833	.087500	.129167	.170833	.212500	6	.000069
7	.004861	.046528	.088194	.129861	.171528	.213194	7	.000081
8	.005556	.047222	.088889	.130556	.172222	.213889	8	.000093
9	.006250	.047917	.089583	.131250	.172917	.214583	9	.000104
10	0.006944	0.048611	0.090278	0.131944	0.173611	0.215278	10	0.000116
11	.007639	.049306	.090972	.132639	.174306	.215972	11	.000127
12	.008333	.050000	.091667	.133333	.175000	.216667	12	.000139
13	.009028	.050694	.092361	.134028	.175694	.217361	13	.000150
14	.009722	.051389	.093056	.134722	.176389	.218056	14	.000162
15	0.010417	0.052083	0.093750	0.135417	0.177083	0.218750	15	0.000174
16	.011111	.052778	.094444	.136111	.177778	.219444	16	.000185
17	.011806	.053472	.095139	.136806	.178472	.220139	17	.000197
18	.012500	.054167	.095833	.137500	.179167	.220833	18	.000208
19	.013194	.054861	.096528	.138194	.179861	.221528	19	.000220
20	0.013889	0.055556	0.097222	0.138889	0.180556	0.222222	20	0.000231
21	.014583	.056250	.097917	.139583	.181250	.222917	21	.000243
22	.015278	.056944	.098611	.140278	.181944	.223611	22	.000255
23	.015972	.057639	.099306	.140972	.182639	.224306	23	.000266
24	.016667	.058333	.100000	.141667	.183333	.225000	24	.000278
25	0.017361	0.059028	0.100694	0.142361	0.184028	0.225694	25	0.000289
26	.018056	.059722	.101389	.143056	.184722	.226389	26	.000301
27	.018750	.060417	.102083	.143750	.185417	.227083	27	.000313
28	.019444	.061111	.102778	.144444	.186111	.227778	28	.000324
29	.020139	.061806	.103472	.145139	.186806	.228472	29	.000336
30	0.020833	0.062500	0.104167	0.145833	0.187500	0.229167	30	0.000347
31	.021528	.063194	.104861	.146528	.188194	.229861	31	.000359
32	.022222	.063889	.105556	.147222	.188889	.230556	32	.000370
33	.022917	.064583	.106250	.147917	.189583	.231250	33	.000382
34	.023611	.065278	.106944	.148611	.190278	.231944	34	.000394
35	0.024306	0.065972	0.107639	0.149306	0.190972	0.232639	35	0.000405
36	.025000	.066667	.108333	.150000	.191667	.233333	36	.000417
37	.025694	.067361	.109028	.150694	.192361	.234028	37	.000428
38	.026389	.068056	.109722	.151389	.193056	.234722	38	.000440
39	.027083	.068750	.110417	.152083	.193750	.235417	39	.000451
40	0.027778	0.069444	0.111111	0.152778	0.194444	0.236111	40	0.000463
41	.028472	.070139	.111806	.153472	.195139	.236806	41	.000475
42	.029167	.070833	.112500	.154167	.195833	.237500	42	.000486
43	.029861	.071528	.113194	.154861	.196528	.238194	43	.000498
44	.030556	.072222	.113889	.155556	.197222	.238889	44	.000509
45	0.031250	0.072917	0.114583	0.156250	0.197917	0.239583	45	0.000521
46	.031944	.073611	.115278	.156944	.198611	.240278	46	.000532
47	.032639	.074306	.115972	.157639	.199306	.240972	47	.000544
48	.033333	.075000	.116667	.158333	.200000	.241667	48	.000556
49	.034028	.075694	.117361	.159028	.200694	.242361	49	.000567
50	0.034722	0.076389	0.118056	0.159722	0.201389	0.243056	50	0.000579
51	.035417	.077083	.118750	.160417	.202083	.243750	51	.000590
52	.036111	.077778	.119444	.161111	.202778	.244444	52	.000602
53	.036806	.078472	.120139	.161806	.203472	.245139	53	.000613
54	.037500	.079167	.120833	.162500	.204167	.245833	54	.000625
55	0.038194	0.079861	0.121528	0.163194	0.204861	0.246528	55	0.000637
56	.038889	.080556	.122222	.163889	.205556	.247222	56	.000648
57	.039583	.081250	.122917	.164583	.206250	.247917	57	.000660
58	.040278	.081944	.123611	.165278	.206944	.248611	58	.000671
59	.040972	.082639	.124306	.165972	.207639	.249306	59	.000683

	6h	7h	8h	9h	10h	11h		
m	d	d	d	d	d	d	s	d
0	0.250000	0.291667	0.333333	0.375000	0.416667	0.458333	0	0.000000
1	.250694	.292361	.334028	.375694	.417361	.459028	1	.000012
2	.251389	.293056	.334722	.376389	.418056	.459722	2	.000023
3	.252083	.293750	.335417	.377083	.418750	.460417	3	.000035
4	.252778	.294444	.336111	.377778	.419444	.461111	4	.000046
5	0.253472	0.295139	0.336806	0.378472	0.420139	0.461806	5	0.000058
6	.254167	.295833	.337500	.379167	.420833	.462500	6	.000069
7	.254861	.296528	.338194	.379861	.421528	.463194	7	.000081
8	.255556	.297222	.338889	.380556	.422222	.463889	8	.000093
9	.256250	.297917	.339583	.381250	.422917	.464583	9	.000104
10	0.256944	0.298611	0.340278	0.381944	0.423611	0.465278	10	0.000116
11	.257639	.299306	.340972	.382639	.424306	.465972	11	.000127
12	.258333	.300000	.341667	.383333	.425000	.466667	12	.000139
13	.259028	.300694	.342361	.384028	.425694	.467361	13	.000150
14	.259722	.301389	.343056	.384722	.426389	.468056	14	.000162
15	0.260417	0.302083	0.343750	0.385417	0.427083	0.468750	15	0.000174
16	.261111	.302778	.344444	.386111	.427778	.469444	16	.000185
17	.261806	.303472	.345139	.386806	.428472	.470139	17	.000197
18	.262500	.304167	.345833	.387500	.429167	.470833	18	.000208
19	.263194	.304861	.346528	.388194	.429861	.471528	19	.000220
20	0.263889	0.305556	0.347222	0.388889	0.430556	0.472222	20	0.000231
21	.264583	.306250	.347917	.389583	.431250	.472917	21	.000243
22	.265278	.306944	.348611	.390278	.431944	.473611	22	.000255
23	.265972	.307639	.349306	.390972	.432639	.474306	23	.000266
24	.266667	.308333	.350000	.391667	.433333	.475000	24	.000278
25	0.267361	0.309028	0.350694	0.392361	0.434028	0.475694	25	0.000289
26	.268056	.309722	.351389	.393056	.434722	.476389	26	.000301
27	.268750	.310417	.352083	.393750	.435417	.477083	27	.000313
28	.269444	.311111	.352778	.394444	.436111	.477778	28	.000324
29	.270139	.311806	.353472	.395139	.436806	.478472	29	.000336
30	0.270833	0.312500	0.354167	0.395833	0.437500	0.479167	30	0.000347
31	.271528	.313194	.354861	.396528	.438194	.479861	31	.000359
32	.272222	.313889	.355556	.397222	.438889	.480556	32	.000370
33	.272917	.314583	.356250	.397917	.439583	.481250	33	.000382
34	.273611	.315278	.356944	.398611	.440278	.481944	34	.000394
35	0.274306	0.315972	0.357639	0.399306	0.440972	0.482639	35	0.000405
36	.275000	.316667	.358333	.400000	.441667	.483333	36	.000417
37	.275694	.317361	.359028	.400694	.442361	.484028	37	.000428
38	.276389	.318056	.359722	.401389	.443056	.484722	38	.000440
39	.277083	.318750	.360417	.402083	.443750	.485417	39	.000451
40	0.277778	0.319444	0.361111	0.402778	0.444444	0.486111	40	0.000463
41	.278472	.320139	.361806	.403472	.445139	.486806	41	.000475
42	.279167	.320833	.362500	.404167	.445833	.487500	42	.000486
43	.279861	.321528	.363194	.404861	.446528	.488194	43	.000498
44	.280556	.322222	.363889	.405556	.447222	.488889	44	.000509
45	0.281250	0.322917	0.364583	0.406250	0.447917	0.489583	45	0.000521
46	.281944	.323611	.365278	.406944	.448611	.490278	46	.000532
47	.282639	.324306	.365972	.407639	.449306	.490972	47	.000544
48	.283333	.325000	.366667	.408333	.450000	.491667	48	.000556
49	.284028	.325694	.367361	.409028	.450694	.492361	49	.000567
50	0.284722	0.326389	0.368056	0.409722	0.451389	0.493056	50	0.000579
51	.285417	.327083	.368750	.410417	.452083	.493750	51	.000590
52	.286111	.327778	.369444	.411111	.452778	.494444	52	.000602
53	.286806	.328472	.370139	.411806	.453472	.495139	53	.000613
54	.287500	.329167	.370833	.412500	.454167	.495833	54	.000625
55	0.288194	0.329861	0.371528	0.413194	0.454861	0.496528	55	0.000637
56	.288889	.330556	.372222	.413889	.455556	.497222	56	.000648
57	.289583	.331250	.372917	.414583	.456250	.497917	57	.000660
58	.290278	.331944	.373611	.415278	.456944	.498611	58	.000671
59	.290972	.332639	.374306	.415972	.457639	.499306	59	.000683

Hilfstafeln

zur Berechnung der optischen Mondlibration

λ-☊	Δλ	a	B	λ-☊	λ-☊	Δλ	a	B	λ-☊
°	′		° ′	°	°	′		° ′	°
0	+0.0+	−0.0269+	−0 0.0+	180	45	+0.6+	−0.0190+	−1 5.3+	225
1	0.0	268	0 1.6	181	46	0.6	187	1 6.4	226
2	0.0	268	0 3.2	182	47	0.6	183	1 7.5	227
3	0.1	268	0 4.8	183	48	0.6	180	1 8.6	228
4	0.1	268	0 6.4	184	49	0.6	176	1 9.7	229
5	+0.1+	−0.0268+	−0 8.0+	185	50	+0.6+	−0.0173+	−1 10.7+	230
6	0.1	267	0 9.7	186	51	0.6	169	1 11.8	231
7	0.1	267	0 11.3	187	52	0.6	165	1 12.8	232
8	0.2	266	0 12.9	188	53	0.6	162	1 13.8	233
9	0.2	265	0 14.4	189	54	0.6	158	1 14.7	234
10	+0.2+	−0.0264+	−0 16.0+	190	55	+0.6+	−0.0154+	−1 15.6+	235
11	0.2	264	0 17.6	191	56	0.6	150	1 16.6	236
12	0.2	263	0 19.2	192	57	0.6	146	1 17.4	237
13	0.3	262	0 20.8	193	58	0.6	142	1 18.3	238
14	0.3	261	0 22.3	194	59	0.5	138	1 19.2	239
15	+0.3+	−0.0259+	−0 23.9+	195	60	+0.5+	−0.0134+	−1 20.0+	240
16	0.3	258	0 25.5	196	61	0.5	130	1 20.8	241
17	0.3	257	0 27.0	197	62	0.5	126	1 21.5	242
18	0.4	255	0 28.5	198	63	0.5	122	1 22.3	243
19	0.4	254	0 30.1	199	64	0.5	118	1 23.0	244
20	+0.4+	−0.0252+	−0 31.6+	200	65	+0.5+	−0.0114+	1 23.7+	245
21	0.4	251	0 33.1	201	66	0.5	109	1 24.4	246
22	0.4	249	0 34.6	202	67	0.4	105	1 25.0	247
23	0.4	247	0 36.1	203	68	0.4	101	1 25.6	248
24	0.5	245	0 37.6	204	69	0.4	096	1 26.2	249
25	+0.5+	−0.0243+	−0 39.0+	205	70	+0.4+	−0.0092+	−1 26.8+	250
26	0.5	241	0 40.5	206	71	0.4	87	1 27.3	251
27	0.5	239	0 41.9	207	72	0.4	83	1 27.8	252
28	0.5	237	0 43.4	208	73	0.3	79	1 28.3	253
29	0.5	235	0 44.8	209	74	0.3	74	1 28.8	254
30	+0.5+	−0.0233+	−0 46.2+	210	75	+0.3+	−0.0070+	−1 29.2+	255
31	0.5	230	0 47.6	211	76	0.3	65	1 29.6	256
32	0.6	228	0 48.9	212	77	0.3	60	1 30.0	257
33	0.6	225	0 50.3	213	78	0.2	56	1 30.3	258
34	0.6	223	0 51.6	214	79	0.2	51	1 30.6	259
35	+0.6+	−0.0220+	−0 53.0+	215	80	+0.2+	−0.0047+	−1 30.9+	260
36	0.6	217	0 54.3	216	81	0.2	42	1 31.2	261
37	0.6	214	0 55.6	217	82	0.2	37	1 31.4	262
38	0.6	212	0 56.9	218	83	0.1	33	1 31.6	263
39	0.6	209	0 58.1	219	84	0.1	28	1 31.8	264
40	+0.6+	−0.0206+	−0 59.4+	220	85	+0.1+	−0.0023+	−1 32.0+	265
41	0.6	203	1 0.6	221	86	0.1	19	1 32.1	266
42	0.6	200	1 1.8	222	87	0.1	14	1 32.2	267
43	0.6	196	1 3.0	223	88	0.0	09	1 32.3	268
44	0.6	193	1 4.1	224	89	0.0	05	1 32.3	269
45	+0.6+	−0.0190+	−1 5.3+	225	90	+0.0+	−0.0000+	−1 32.3+	270

$$l' = \lambda + \Delta\lambda - a(B - \beta) - L_{☾}; \quad b' = B - \beta$$

l', b' = Optische Libration der Mondmitte in selenographischer Länge und Breite

λ, β = Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort

$L_{☾}$ = Mittlere Länge des Mondes, ☊ = Mondknoten (siehe Seite 58)

Hilfstafeln

zur Berechnung der optischen Mondlibration

λ-☊	Δλ	*a*	*B*	λ-☊	λ-☊	Δλ	*a*	*B*	λ-☊
°	′		° ′	°	°	′		° ′	°
90	—0.0—	+0.0000—	—1 32.3+	270	135	—0.6—	+0.0190—	—1 5.3+	315
91	0.0	05	1 32.3	271	136	0.6	193	1 4.1	316
92	0.0	09	1 32.3	272	137	0.6	196	1 3.0	317
93	0.1	14	1 32.2	273	138	0.6	200	1 1.8	318
94	0.1	19	1 32.1	274	139	0.6	203	1 0.6	319
95	—0.1—	+0.0023—	—1 32.0+	275	140	—0.6—	+0.0206—	—0 59.4+	320
96	0.1	28	1 31.8	276	141	0.6	209	0 58.1	321
97	0.1	33	1 31.6	277	142	0.6	212	0 56.9	322
98	0.2	37	1 31.4	278	143	0.6	214	0 55.6	323
99	0.2	42	1 31.2	279	144	0.6	217	0 54.3	324
100	—0.2—	+0.0047—	—1 30.9+	280	145	—0.6—	+0.0220—	—0 53.0+	325
101	0.2	51	1 30.6	281	146	0.6	223	0 51.6	326
102	0.2	56	1 30.3	282	147	0.6	225	0 50.3	327
103	0.3	60	1 30.0	283	148	0.6	228	0 48.9	328
104	0.3	65	1 29.6	284	149	0.5	230	0 47.6	329
105	—0.3—	+0.0070—	—1 29.2+	285	150	—0.5—	+0.0233—	—0 46.2+	330
106	0.3	74	1 28.8	286	151	0.5	235	0 44.8	331
107	0.3	79	1 28.3	287	152	0.5	237	0 43.4	332
108	0.4	83	1 27.8	288	153	0.5	239	0 41.9	333
109	0.4	87	1 27.3	289	154	0.5	241	0 40.5	334
110	—0.4—	+0.0092—	—1 26.8+	290	155	—0.5—	+0.0243—	—0 39.0+	335
111	0.4	096	1 26.2	291	156	0.5	245	0 37.6	336
112	0.4	101	1 25.6	292	157	0.4	247	0 36.1	337
113	0.4	105	1 25.0	293	158	0.4	249	0 34.6	338
114	0.5	109	1 24.4	294	159	0.4	251	0 33.1	339
115	—0.5—	+0.0114—	—1 23.7+	295	160	—0.4—	+0.0252—	—0 31.6+	340
116	0.5	118	1 23.0	296	161	0.4	254	0 30.1	341
117	0.5	122	1 22.3	297	162	0.4	255	0 28.5	342
118	0.5	126	1 21.5	298	163	0.3	257	0 27.0	343
119	0.5	130	1 20.8	299	164	0.3	258	0 25.5	344
120	—0.5—	+0.0134—	—1 20.0+	300	165	—0.3—	+0.0259—	—0 23.9+	345
121	0.5	138	1 19.2	301	166	0.3	261	0 22.3	346
122	0.6	142	1 18.3	302	167	0.3	262	0 20.8	347
123	0.6	146	1 17.4	303	168	0.2	263	0 19.2	348
124	0.6	150	1 16.5	304	169	0.2	264	0 17.6	349
125	—0.6—	+0.0154—	—1 15.6+	305	170	—0.2—	+0.0264—	—0 16.0+	350
126	0.6	158	1 14.7	306	171	0.2	265	0 14.4	351
127	0.6	162	1 13.8	307	172	0.2	266	0 12.9	352
128	0.6	165	1 12.8	308	173	0.1	267	0 11.3	353
129	0.6	169	1 11.8	309	174	0.1	267	0 9.7	354
130	—0.6—	+0.0173—	—1 10.7+	310	175	—0.1—	+0.0268—	—0 8.0+	355
131	0.6	176	1 9.7	311	176	0.1	268	0 6.4	356
132	0.6	180	1 8.6	312	177	0.1	268	0 4.8	357
133	0.6	183	1 7.5	313	178	0.0	268	0 3.2	358
134	0.6	187	1 6.4	314	179	0.0	268	0 1.6	359
135	—0.6—	+0.0190—	—1 5.3+	315	180	—0.0—	+0.0269—	—0 0.0+	360

$$l' = \lambda + \Delta\lambda - a\,(B - \beta) - L_{☾}\,; \quad b' = B - \beta$$

l', b' = Optische Libration der Mondmitte in selenographischer Länge und Breite

λ, β = Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort

$L_{☾}$ = Mittlere Länge des Mondes, ☊ = Mondknoten (siehe Seite 58)

Hilfsgrößen

zur Berechnung der geozentrischen Koordinaten

$\rho \sin \varphi' = s \sin \varphi ; \qquad \rho \cos \varphi' = c \cos \varphi$

φ	log s		log c		φ	log s		log c	
± 0°	9.9970705	4	0.0000000	4	± 40°	9.9976745	252	0.0006040	252
1	.9970709	14	.0000004	14	41	.9976997	254	.0006292	254
2	.9970723	22	.0000018	22	42	.9977251	255	.0006546	255
3	.9970745	31	.0000040	31	43	.9977506	255	.0006801	255
4	.9970776	40	.0000071	40	44	.9977761	255	.0007056	255
5	9.9970816	49	0.0000111	49	45	9.9978016	256	0.0007311	256
6	.9970865	57	.0000160	57	46	.9978272	255	.0007567	255
7	.9970922	66	.0000217	66	47	.9978527	255	.0007822	255
8	.9970988	74	.0000283	74	48	.9978782	254	.0008077	254
9	.9971062	83	.0000357	83	49	.9979036	252	.0008331	252
10	9.9971145	92	0.0000440	92	50	9.9979288	252	0.0008583	252
11	.9971237	99	.0000532	99	51	.9979540	249	.0008835	249
12	.9971336	108	.0000631	108	52	.9979789	247	.0009084	247
13	.9971444	116	.0000739	116	53	.9980036	245	.0009331	245
14	.9971560	123	.0000855	123	54	.9980281	242	.0009576	242
15	9.9971683	131	0.0000978	131	55	9.9980523	239	0.0009818	239
16	.9971814	139	.0001109	139	56	.9980762	235	.0010057	235
17	.9971953	146	.0001248	146	57	.9980997	232	.0010292	232
18	.9972099	154	.0001394	154	58	.9981229	228	.0010524	228
19	.9972253	160	.0001548	160	59	.9981457	224	.0010752	224
20	9.9972413	168	0.0001708	168	60	9.9981681	220	0.0010976	220
21	.9972581	174	.0001876	174	61	.9981901	215	.0011196	215
22	.9972755	180	.0002050	180	62	.9982116	209	.0011411	209
23	.9972935	187	.0002230	187	63	.9982325	205	.0011620	205
24	.9973122	192	.0002417	192	64	.9982530	199	.0011825	199
25	9.9973314	198	0.0002609	198	65	9.9982729	193	0.0012024	193
26	.9973512	204	.0002807	204	66	.9982922	188	.0012217	188
27	.9973716	209	.0003011	209	67	.9983110	181	.0012405	181
28	.9973925	214	.0003220	214	68	.9983291	175	.0012586	175
29	.9974139	219	.0003434	219	69	.9983466	168	.0012761	168
30	9.9974358	223	0.0003653	223	70	9.9983634	161	0.0012929	161
31	.9974581	227	.0003876	227	71	.9983795	154	.0013090	154
32	.9974808	232	.0004103	232	72	.9983949	147	.0013244	147
33	.9975040	235	.0004335	235	73	.9984096	140	.0013391	140
34	.9975275	238	.0004570	238	74	.9984236	132	.0013531	132
35	9.9975513	241	0.0004808	241	75	9.9984368	124	0.0013663	124
36	.9975754	245	.0005049	245	76	.9984492	117	.0013787	117
37	.9975999	246	.0005294	246	77	.9984609	108	.0013904	108
38	.9976245	249	.0005540	249	78	.9984717	100	.0014012	100
39	.9976494	251	.0005789	251	79	.9984817	92	.0014112	92
40	9.9976745		0.0006040		80	9.9984909		0.0014204	

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Abbadia	69	+43 22 52.2	+0 7 0.1	+ 1.15	+43 11 17.8	9.999317
Åbo	—	+60 26 56.8	−1 29 6.30	−14.64	+60 16 58.8	9.998894
Adelaide	43	−34 55 38.5	−9 14 20.42	−91.06	−34 44 46.1	9.999526
Albany (N. Stw.)[1]	40	+42 39 12.6	+4 55 6.36	+48.48	+42 27 39.5	9.999334
Alfred Centre N.Y.	556	+42 15 19.8	+5 11 7.13	+51.11	+42 3 47.6	9.999379
Algier (N. Stw.)[2]	342	+36 47 50	−0 12 8.38	− 1.99	+36 36 43	9.999501
Allegheny (N. Stw.)	370	+40 28 58.1	+5 20 5.39	+52.59	+40 17 31.4	9.999411
Allegheny (A. Stw.)	349	+40 27 41.6	+5 20 2.97	+52.58	+40 16 15.0	9.999411
Altenburg[3]	229	+50 58 20	−0 49 44.16	− 8.17	+50 46 59	9.999135
Altona Mer.-Kreis[4]	31	+53 32 45.3	−0 39 46.19	− 6.53	+53 21 39.7	9.999058
Amherst (Neue Stw.)	110	+42 21 56.5	+4 50 5.98	+47.66	+42 10 24.0	9.999346
Amherst (Alte Stw.)	122	+42 22 17.1	+4 50 4.72	+47.66	+42 10 44.6	9.999347
Annapolis	—	+38 58 53.5	+5 5 56.53	+50.26	+38 47 33.6	9.999424
Ann Arbor	285	+42 16 48.0	+5 34 55.23	+55.02	+42 5 15.7	9.999360
Arcetri Zentr. d. St.[5]	186	+43 45 14.4	−0 45 1.30	− 7.39	+43 33 39.5	9.999316
Arequipa	2451	−16 22 28.0	+4 46 11.73	+47.02	−16 16 12.7	0.000052
Armagh	61	+54 21 12.7	+0 26 35.4	+ 4.37	+54 10 13.1	9.999041
Athen	107	+37 58 19.7	−1 34 52.92	−15.58	+37 47 5.4	9.999456
Bamberg (Remeis' St.)	299	+49 53 6.0	−0 43 33.57	− 7.15	+49 41 40.0	9.999167
Barcelona[6]	420	+41 24 2	−0 8 35.1	− 1.41	+41 12 32	9.999392
Beloit	—	+42 30 9	+5 56 7.4	+58.51	+42 18 36	9.999335
Bergedorf Mer.-Kr.	35	+53 28 46.7	−0 40 57.74	− 6.73	+53 17 40.6	9.999060
Bergen	—	+60 23 54	−0 21 12.73	− 3.48	+60 13 55	9.998895
Berkeley	97	+37 52 23.6	+8 9 2.82	+80.34	+37 41 9.9	9.999458
Berlin-Babelsberg[7]	80	+52 24 24.2	−0 52 25.49	− 8.61	+52 13 11.1	9.999089
Berlin (Urania)	—	+52 31 30.7	−0 53 27.40	− 8.78	+52 20 18.3	9.999081
Bern	573	+46 57 8.7	−0 29 45.55	− 4.89	+46 45 34.5	9.999261
Besançon	312	+47 14 59.0	−0 23 57.1	− 3.93	+47 3 25.3	9.999236
Bethlehem[8]	—	+40 36 23.5	+5 1 31.94	+49.54	+40 24 56.3	9.999383
Birr Castle[9]	56	+53 5 47	+0 31 40.9	+ 5.20	+52 54 38	9.999070
Bogota	2700	+ 4 35 48	+4 56 59	+48.79	+ 4 33 57	0.000175
Bologna Zentr. d. Stw.	84	+44 29 52.8	−0 45 24.48	− 7.46	+44 18 17.3	9.999290
Bombay (Colaba)	19	+18 53 36.2	−4 51 15.70	−47.85	+18 46 31.1	9.999849
Bonn Zentr. d. Stw.	62	+50 43 45.0	−0 28 23.18	− 4.66	+50 32 22.7	9.999130
Bordeaux (Floirac)	73	+44 50 7.2	+0 2 5.50	+ 0.34	+44 38 31.6	9.999281
Boston (University)	—	+42 21 32.5	+4 44 15.0	+46.70	+42 10 0.0	9.999339

[1]) Dudley Observatory, seit Juni 1893. Alte Sternwarte 37″.0 nördlich, 7s.10 östlich. — [2]) Alte Sternwarte 3′.8 südlich, 8s östlich. — [3]) Fr. Krüger. — [4]) 1873 nach Kiel verlegt. — [5]) Seit Oktober 1872, früher in Florenz. — [6]) J. Comas Solá. — [7]) Die Koordinaten beziehen sich auf die Mitte der großen Kuppel, in der der große Refraktor aufgestellt ist. Die frühere Sternwarte in Berlin (seit 1835) lag 5′ 52″.5 nördlich und 1m 9s.31 östlich. — [8]) Sayre Observatory, auch South-Bethlehem. — [9]) Earl of Rosse.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Bothkamp[1])	32	+54 12 9.6	−0 40 31.2	−6.65	+54 1 8.8	9.999042
Bremen (Olbers' Stw.) .	—	+53 4 36	−0 35 15	−5.79	+52 53 27	9.999067
Breslau Zentr. d. Stw. .	147	+51 6 56.5	−1 8 8.72	−11.19	+50 55 36.1	9.999126
Breteuil Zentr.[2]) . .	66	+48 49 48	−0 8 52.9	−1.46	+48 38 18	9.999178
Brisbane	—	−27 28 0	−10 12 6.4	−100.55	−27 18 32	9.999691
Brüssel (Alte St.) Pass.Instr.	56	+50 51 10.7	−0 17 28.71	−2.87	+50 39 49.0	9.999126
Brüssel (Uccle) Mer.-Kreis	102	+50 47 55.5	−0 17 26.06	−2.86	+50 36 33.6	9.999131
Budapest[3])	110	+47 28 49	−1 16 13.7	−12.53	+47 17 16	9.999215
Bukarest (Mil. Geogr. Inst.)	85	+44 24 34.2	−1 44 27.01	−17.16	+44 12 58.7	9.999292
Cambridge Engl. . .	28	+52 12 51.6	−0 0 22.75	−0.06	+52 1 37.3	9.999090
Cambridge Mass.[4]) .	24	+42 22 47.6	+4 44 31.02	+46.74	+42 11 15.1	9.999340
Cap d. gut. Hoffnung	16	−33 56 3.2	−1 13 54.74	−12.14	−33 45 19.6	9.999548
Catania	60	+37 30 13.3	−1 0 20.6	−9.91	+37 19 1.9	9.999465
Chapultepec (Alte Stw.)[5])	—	+19 25 17.5	+6 36 38.28	+65.16	+19 18 2.3	9.999840
Charkow	138	+50 0 10.2	−2 24 54.6	−23.81	+49 48 44.7	9.999153
Charlottenburg, Techn. Hochsch.	60	+52 30 48.7	−0 53 20.5	−8.76	+52 19 36.2	9.999085
Charlottesville[6]) . .	250	+38 2 1.2	+5 14 5.26	+51.60	+37 50 46.5	9.999464
Chicago (Alte Stw.)[7]) .	—	+41 50 1.0	+5 50 26.82	+57.57	+41 38 29.8	9.999352
Christiania Mer.-Kreis .	25	+59 54 43.7	−0 42 53.51	−7.04	+59 44 39.2	9.998908
Cincinnati (Alte Stw.) .	—	+39 6 26.5	+5 37 59.09	+55.52	+38 55 6.0	9.999421
Cincinnati (Neue Stw.)[8])	263	+39 8 19.8	+5 37 41.33	+55.47	+38 56 59.1	9.999438
Cleveland (Case Obs.) .	212	+41 30 14.5	+5 26 25.86	+53.63	+41 18 44.3	9.999375
Clinton (Litchfield Obs.)	276	+43 3 16.5	+5 1 37.48	+49.55	+42 51 42.6	9.999340
Coimbra	99	+40 12 24.5	+0 33 43.1	+5.54	+40 0 58.9	9.999400
Columbia Missouri[9]) .	225	+38 56 51.7	+6 9 18.37	+60.67	+38 45 32.0	9.999440
Cordoba	439	−31 25 15.5	+4 16 48.2	+42.19	−31 14 57.5	9.999635
Danzig	3	+54 21 18.0	−1 14 39.5	−12.26	+54 10 18.4	9.999036
Denver[10])	1650	+39 40 36.4	+6 59 47.67	+68.96	+39 29 13.1	9.999519
Dorpat Mer.-Kreis . .	73	+58 22 47.1	−1 46 53.23	−17.56	+58 12 25.0	9.998946
Dresden (Neue Stw.)[11]).	121	+51 2 16.8	−0 54 54.74	−9.02	+50 50 56.1	9.999126
Dresden (Mathem. Salon)	—	+51 3 14.7	−0 54 55.83	−9.02	+50 51 54.0	9.999117
Dublin (Dunsink Obs.) .	86	+53 23 13.1	+0 25 21.1	+4.17	+53 12 6.4	9.999065
Düsseldorf (Bilk) . . .	46	+51 12 25.0	−0 27 2.69	−4.44	+51 1 5.1	9.999117
Dunecht[12])	141	+57 9 36	+0 9 40	+1.59	+56 59 1	9.998979
Durham	107	+54 46 6.2	+0 6 19.7	+1.04	+54 35 9.8	9.999033
Edinburg	106	+55 57 23.2	+0 12 43.05	+2.09	+55 46 37.0	9.999005

[1]) Herr von Bülow. — [2]) Bureau international des Poids et Mesures. — [3]) Observ. der Kgl. ungar. Universität. — [4]) Harvard College Observatory. — [5]) 1883 nach Tacubaya verlegt. — [6]) Leander Mc. Cormick Obs. der University of Virginia. — [7]) 1887 geschlossen. — [8]) Mount Lookout, seit 1873. — [9]) Laws Observatory. — [10]) University Park, Chamberlin Observatory. — [11]) v. Engelhardt; Herbst 1897 aufgelöst. Alte Sternwarte 14″.2 nördlich, 1ˢ.57 westlich. — [12]) Earl of Crawford.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Edinburg (Blackf. Hill)	134	+55 55 28.0	+0 12 44.0	+ 2.09	+55 44 41.5	9.999007
Evanston (Dearborn Obs.)	175	+42 3 33.4	+5 50 42.3	+57.61	+41 52 1.6	9.999358
Flagstaff (Lowell Obs.)	2210	+35 12 30.5	+7 26 44.6	+73.39	+35 1 35.8	9.999667
Florenz (Alte Sternw.)[1]	73	+43 46 4.1	−0 45 1.30	− 7.40	+43 34 29.2	9.999308
Florenz (Mil. Geogr. Inst.)	—	+43 46 49.3	−0 45 2.52	− 7.40	+43 35 14.4	9.999303
Frankfurt a. M.	121	+50 7 0	−0 34 36.3	− 5.70	+49 55 35	9.999149
Genf Mer.-Kreis	407	+46 11 59.1	−0 24 36.61	− 4.04	+46 0 23.9	9.999269
Genua (Mar. Stw.) Mer.-Kr.	105	+44 25 9.3	−0 35 41.28	− 5.86	+44 13 33.8	9.999293
Georgetown D. C.	46	+38 54 26.2	+5 8 18.33	+50.65	+38 43 6.7	9.999429
Glasgow Schottl.	55	+55 52 42.6	+0 17 10.55	+ 2.82	+55 41 55.7	9.999003
Glasgow Missouri	228	+39 13 45.6	+6 11 18.06	+61.00	+39 2 24.5	9.999433
Göttingen Mer.-Kreis	161	+51 31 48.2	−0 39 46.22	− 6.53	+51 20 30.0	9.999117
Gohlis[2]	108	+51 21 35.0	−0 49 29.54	− 8.13	+51 10 15.9	9.999117
Gotha (Neue Stw.) Zentr. d. St.[3]	320	+50 56 37.5	−0 42 50.52	− 7.04	+50 45 16.3	9.999142
Graz	375	+47 4 37.2	−1 1 48	−10.15	+46 53 3.2	9.999244
Greenwich Transit Circle	47	+51 28 38.1	0 0 0.00	0.00	+51 17 19.6	9.999110
Grignon	—	+47 33 42	−0 17 38	− 2.89	+47 22 9	9.999206
Groningen	4	+53 13 19.1	−0 26 15.2	− 4.31	+53 2 11.3	9.999064
Hamburg (Alt. Stw.) M.-Kr.[4]	25	+53 33 6.0	−0 39 53.60	− 6.55	+53 22 0.4	9.999057
Hamburg (D. Seewarte)	30	+53 32 51.8	−0 39 53.42	− 6.55	+53 21 46.2	9.999058
Hanover N. H.	183	+43 42 15.2	+4 49 8.00	+47.50	+43 30 40.4	9.999317
Harrow (Col. Tupmann)	66	+51 34 47.4	+0 1 19.9	+ 0.39	+51 23 29.5	9.999109
Hastings on Huds.[5]	—	+40 59 25	+4 55 29.7	+48.55	+40 47 56	9.999373
Haverford	—	+40 0 36.5	+5 1 12.79	+49.48	+39 49 11.8	9.999398
Heidelberg (Wolfs Stw.)	—	+49 24 35	−0 34 48.4	− 5.72	+49 13 7	9.999159
Heidelberg (Königst.) M.-Kr.	570	+49 23 54.6	−0 34 53.13	− 5.73	+49 12 26.8	9.999198
St. Helena	210	−15 55 26	+0 22 52.2	+ 3.76	−15 49 20	9.999905
Helsingfors Mer.-Kreis	38	+60 9 42.6	−1 39 49.10	−16.40	+59 59 41.1	9.998903
Helwan	119	+29 51 33	−2 5 22	−20.59	+29 41 33	9.999648
Herény (von Gothard)	229	+47 15 47.4	−1 6 24.6	−10.91	+47 4 13.7	9.999229
Hongkong	34	+22 18 13.2	−7 36 41.9	−75.02	+22 10 5.8	9.999793
Hudson	—	+41 14 42.6	+5 25 44.19	+53.51	+41 3 13.2	9.999367
Ipswich (Orwell Park)[6]	—	+52 0 33	−0 4 55.8	− 0.81	+51 49 17	9.999094
Jena (Univers.) Zentr. d. St.	156	+50 55 35.6	−0 46 20.22	− 7.61	+50 44 14.3	9.999131
Jena (Winkler)	174	+50 56 15.7	−0 46 20.73	− 7.61	+50 44 54.5	9.999132
Johannesburg	1806	−26 10 55.0	−1 52 18.00	−18.45	−26 1 45.2	9.999840

[1]) 1872 nach Arcetri verlegt. — [2]) Winkler, August 1887 nach Jena verlegt. — [3]) Seit 1857, früher Seeberg. — [4]) 1909 nach Bergedorf verlegt. — [5]) Dr. Draper. — [6]) Col. Tomline.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Kairo	—	+30 4 38.2	−2 5 8.80	−20.56	+29 54 35.8	9.999635
Kalocsa[1]	110	+46 31 42	−1 15 54.2	−12.47	+46 20 7	9.999240
Karlsruhe[2]	110	+49 0 29.6	−0 33 35.40	− 5.52	+48 49 0.4	9.999177
Kasan (Univers.)	79	+55 47 24.3	−3 16 28.93	−32.28	+55 36 36.6	9.999007
Kasan (Engelhardt)	98	+55 50 20.0	−3 15 16.4	−32.08	+55 39 32.7	9.999007
Kew	10	+51 28 6	+0 1 15.1	+ 0.21	+51 16 47	9.999108
Kiel Neuer Mer.-Kreis	52	+54 20 27.6	−0 40 35.45	− 6.67	+54 9 27.9	9.999040
Kiel Alter Mer.-Kreis	47	+54 20 28.5	−0 40 35.57	− 6.67	+54 9 28.8	9.999040
Kiew Mer.-Kreis	179	+50 27 12.5	−2 2 0.57	−20.04	+50 15 49.0	9.999145
Kis Kartal[3]	—	+47 41 54.8	−1 18 11.6	−12.84	+47 30 22.0	9.999202
Königsberg Reps. M.-Kr.[1]	22	+54 42 50.6	1 21 58.98	−13.47	+54 31 53.8	9.999029
Kopenhagen (Neue Stw.)[5]	14	+55 41 12.6	−0 50 18.69	− 8.26	+55 30 24.0	9.999005
Kopenhagen (Urania-St.)	10	+55 41 19.2	−0 50 9.11	− 8.24	+55 30 30.6	9.999005
Krakau Mer.-Kreis	221	+50 3 51.9	−1 19 50.28	−13.11	+49 52 26.7	9.999158
Kremsmünster Mer.-Kr.	384	+48 3 23.1	0 56 31.58	− 9.28	+47 51 51.1	9.999219
Landstuhl (Fauth)	385	+49 24 42.5	−0 30 16.35	− 4.97	+49 13 14.7	9.999185
La Plata	12	−34 54 30	+3 51 37.1	+38.05	−34 43 38	9.999524
Leiden (Neue Stw.) Mer.-Kr.[6]	6	+52 9 20.2	−0 17 56.15	− 2.94	+51 58 5.6	9.999090
Leipzig (Neue Stw.) Zentr.[7]	119	+51 20 5.9	−0 49 33.93	− 8.14	+51 8 46.7	9.999119
Lemberg	338	+49 50 11	−1 36 4	−15.78	+49 38 45	9.999171
Leyton[8]	—	+51 34 34.0	+0 0 0.9	0.00	+51 23 16.1	9.999105
Lissabon (Tupada)	94	+38 42 30.5	+0 36 44.78	+ 6.04	+38 31 12.0	9.999437
Lissabon (Mar. Stw.)	—	+38 42 17.6	+0 36 33.6	+ 6.01	+38 30 59.2	9.999431
Liverpool (Neue Stw.)[9]	61	+53 24 3.8	+0 12 17.2	+ 2.02	+53 12 57.2	9.999063
London[10]	—	+51 31 30	+0 0 37.1	+ 0.10	+51 20 12	9.999106
Lourenço Marques	59	−25 58 4.9	−2 10 22.63	−21.42	−25 48 58.3	9.999725
Lübeck (Navig.-Sch.)	19	+53 51 31.1	−0 42 45.6	− 7.02	+53 40 27.8	9.999049
Lund Zentr. d. Stw.	34	+55 41 52.0	−0 52 44.97	− 8.66	+55 31 3.5	9.999006
Lussinpiccolo[11]	42	+44 32 11	−0 57 52.3	− 9.50	+44 20 35	9.999286
Lüttich Ougrée	128	+50 37 6	−0 22 12	− 3.65	+50 25 43	9.999137
Lyon	299	+45 41 40.8	0 19 8.0	− 3.14	+45 30 5.3	9.999274
Madison (Washburn Obs.)	293	+43 4 36.7	+5 57 37.90	+58.75	+42 53 2.8	9.999340
Madras	7	+13 4 8.1	−5 20 59.33	−52.73	+12 59 2.6	9.999926
Madrid Zentr. d. Stw.	655	+40 24 29.7	+0 14 45.09	+ 2.43	+40 13 3.3	9.999133
Mailand Gr. Turm	120	+45 27 59.4	0 36 45.89	− 6.04	+45 16 23.8	9.999268
Manila	3	+14 35 25	−8 3 50	−79.48	+14 29 47	9.999908

[1]) Erzbischöfl. Haynaldsche Sternwarte. — [2]) 1896 nach Heidelberg verlegt. — [3]) Baron von Podmaniczky. — [4]) Nach 1898, vor 1898 0ˢ.01 westlich. — [5]) Seit 1861 Nov. 11. Alte Sternwarte 20″.3 südlich, 0ˢ.03 westlich. — [6]) Seit 1860. Alte Sternwarte 8″.0 nördlich, 0ˢ.42 östlich. — [7]) Seit 1861. Alte Sternwarte 14″.2 nördlich, 4ˢ.00 westlich. — [8]) J. Gurney Barclay. — [9]) Alte Sternwarte 44″.0 nördlich, 17ˢ.1 östlich. — [10]) Regents Park, G. Bishop 1836—61. — [11]) Manora-Sternwarte.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Mannheim Zentr. d. Stw.	98	+49 29 11.0	−0 33 50.42	− 5.56	+49 17 43.5	9.999164
Marburg	248	+50 48 46.9	−0 35 4.9	− 5.76	+50 37 25.0	9.999141
Mare Island Calif. .	18	+38 5 55.8	+8 9 5.59	+80.35	+37 54 40.8	9.999447
Markree (Col. Cooper) .	45	+54 10 31.7	+0 33 48.4	+ 5.56	+53 59 30.7	9.999043
Marseille (N. St.) M.-Kr.[1]	75	+43 18 19.1	−0 21 34.56	− 3.54	+43 6 44.8	9.999320
Melbourne	28	−37 49 53.1	−9 39 54.17	−95.26	−37 38 39.6	9.999454
Meudon	162	+48 48 18	−0 8 55.5	− 1.46	+48 36 48	9.999185
Mexico	2277	+19 26 1.3	+6 36 26.71	+65.13	+19 18 45.9	9.999995
Middletown Conn. .	—	+41 33 16.0	+4 50 37.2	+47.74	+41 21 45.7	9.999359
Modena	63	+44 38 52.8	−0 43 42.8	− 7.18	+44 27 17.2	9.999285
Moncalieri	—	+44 59 51	−0 30 49	− 5.06	+44 48 15	9.999272
Montreal	20	+45 30 17.0	+4 54 18.65	+48.35	+45 18 41.4	9.999260
Mt. Hamilton (Lick) Mkr.	1283	+37 20 25.6	+8 6 34.85	+79.94	+37 9 15.2	9.999552
Mt. Wilson Calif. . .	1731	+34 12 59.5	+7 52 14.33	+77.47	+34 2 13.3	9.999658
Moskau Mer.-Kr. . . .	142	+55 45 19.5	−2 30 17.03	−24.69	+55 34 31.5	9.999012
Mundenheim[2] . . .	—	+49 27 30	−0 33 44	− 5.54	+49 16 2	9.999158
München West-Kuppel	529	+48 8 45.5	−0 46 26.02	− 7.63	+47 57 13.8	9.999227
Nashville (Vanderbilt Obs.)	—	+36 8 58.2	+5 47 12.81	+57.04	+35 57 56.1	9.999494
Natal	79	−29 50 46.6	−2 4 1.18	−20.37	−29 40 47.0	9.999645
Neapel (Capo di M.) . .	164	+40 51 45.4	−0 57 1.6	− 9.37	+40 40 17.3	9.999388
Neuchâtel	488	+46 59 50.6	−0 27 49.75	− 4.57	+46 48 16.5	9.999254
New Haven (Neue Stw.)[3]	40	+41 19 22.3	+4 51 40.53	+47.92	+41 7 52.7	9.999368
New York (Rutherfurd)	—	+40 43 48.5	+4 55 56.66	+48.62	+40 32 20.9	9.999380
New York (Columb. C.)	—	+40 45 23.1	+4 55 53.73	+48.61	+40 33 55.4	9.999379
Nikolajew	55	+46 58 22.1	−2 7 53.76	−21.01	+46 46 47.9	9.999225
Nizza Kl. Mer.-Kr.[4] . .	378	+43 43 16.9	−0 29 12.15	− 4.79	+43 31 42.0	9.999330
Northfield (Goodsell Obs.)	286	+44 27 41.6	+6 12 36.0	+61.21	+44 16 6.1	9.999305
Oakland Californ.[5] .	11	+37 48 5	+8 9 6.3	+80.35	+37 36 52	9.999454
Odessa (Univ.-Stw.) Mer.-Kr.	55	+46 28 36.2	−2 3 2.05	−20.21	+46 17 1.3	9.999237
Odessa (Filiale Pulkowa)	—	+46 28 36.0	−2 3 2.19	−20.21	+46 17 1.1	9.999234
Ogden Utah	—	+41 13 8.6	+7 27 59.65	+73.60	+41 1 39.3	9.999368
O-Gyalla Astroph. Obs.[6]	113	+47 52 27.3	−1 12 45.49	−11.95	+47 40 54.9	9.999206
Olmütz[7]	—	+49 35 43	−1 9 8	−11.35	+49 24 16	9.999154
Ottawa	84	+45 23 37.3	+5 2 51.93	+49.75	+45 12 1.7	9.999267
Oxford (Radcl. Obs.) . .	65	+51 45 35.4	+0 5 2.6	+ 0.83	+51 34 18.5	9.999104
Oxford (Univers.) . . .	64	+51 45 34.2	+0 5 0.4	+ 0.82	+51 34 17.3	9.999104

[1]) Seit 1866. Alte Sternwarte 30″.1 südlich, $6^s.2$ westlich; 29^m. — [2]) Dr. Max Mündler. — [3]) Yale University. Alte Sternwarte 45″.8 südlich, $1^s.58$ westlich. — [4]) Herr R. Bischoffsheim. — [5]) Chabot Observatory. — [6]) Stiftung von Konkoly. — [7]) Herr von Unkrechtsberg.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Oxford Mississippi	—	+34 22 12.6	+ 5 58 7.1	+58.83	+34 11 25.1	9.999536
Padua Mauer-Quadr.	31	+45 24 1.0	− 0 47 29.15	− 7.80	+45 12 25.4	9.999263
Palermo	76	+38 6 44.0	− 0 53 25.80	− 8.78	+37 55 28.9	9.999451
Paramatta	—	−33 48 49.8	−10 4 0.2	−99.22	−33 38 7.3	9.999550
Paris (Obs. nat.) Mer. Cassini	59	+48 50 11.2	− 0 9 20.94	− 1.53	+48 38 41.5	9.999177
Paris (Montsouris) westl. Mer.	—	+48 49 18.0	0 9 20.70	− 1.53	+48 37 48.2	9.999174
Parma (Univ.-Stw.) Turm	—	+44 48 4.7	− 0 41 18.79	− 6.39	+44 36 29.1	9.999277
Perth West.-Austr.	60	31 57 9.6	− 7 43 21.74	−76.12	−31 46 45.8	9.999597
Petersburg (Akademie)	20	+59 56 29.7	2 1 13.35	−19.91	+59 46 25.5	9.998907
Petersburg (Univers.)	4	+59 56 32.0	− 2 1 11.3	−19.91	+59 46 27.8	9.998906
Philadelphia (Alte Stw.)	—	+39 57 7.5	+ 5 0 38.49	+49.39	+39 45 43.0	9.999400
Philadelphia[1]	74	+39 58 2.1	+ 5 1 6.6	+49.47	+39 46 37.5	9.999404
Plonsk[2]		+52 37 40.0	− 1 21 31.9	−13.39	+52 26 28.2	9.999078
Pola	32	+44 51 48.6	− 0 55 22.96	− 9.10	+44 40 12.9	9.999277
Porto Alegre[3] Mer.-Kr.		−30 1 51	+ 3 24 53.2	+33.66	−29 51 49	9.999636
Portsmouth	—	+50 48 3	+ 0 4 24.8	+ 0.73	+50 36 41	9.999124
Potsdam (Astrophys. Obs.)	97	+52 22 56.0	− 0 52 15.86	− 8.58	+52 11 42.7	9.999091
Potsdam (Geod.Inst.) Turm	97	+52 22 54.8	− 0 52 16.12	− 8.58	+52 11 41.5	9.999091
Poughkeepsie[4]	46	+41 41 18	+ 4 55 33.6	+48.56	+41 29 47	9.999359
Prag (Univ.-Stw.) Turm	197	+50 5 16.0	− 0 57 40.29	− 9.47	+49 53 50.9	9.999155
Prag (Safarik)	—	+50 4 24	− 0 57 48	− 9.49	+49 52 59	9.999142
Princeton N. J. (N. Stw.)[5]	76	+40 20 55.8	+ 4 58 39.53	+49.06	+40 9 29.7	9.999395
Providence[6]	64	+41 49 46.4	+ 4 45 37.62	+46.92	+41 38 15.2	9.999356
Pulkowa Zentr. d. Stw.	75	+59 46 18.7	− 2 1 18.58	−19.93	+59 36 12.5	9.998914
Quebec Canada	94	+46 48 17.3	+ 4 44 49.4	+46.79	+46 36 42.9	9.999232
Quito	2846	− 0 14 0	+ 5 15 20	+51.80	− 0 13 54	0.000194
Riga (Polytechnikum) Turm	—	+56 57 7	1 36 28.11	−15.84	+56 46 30	9.998974
Rio de Janeiro	63	−22 54 23.7	+ 2 52 41.52	+28.37	22 46 6.0	9.999784
Rochester (Lewis Swift)	172	+43 9 16.8	+ 5 10 21.87	+50.98	+42 57 42.7	9.999330
Rom (Coll. Rom.) Mer.-Kr.	59	+41 53 53.6	− 0 49 55.36	− 8.19	+41 42 22.3	9.999354
Rom (Capitol) Mer.-Kr.	63	+41 53 33.5	− 0 49 56.34	− 8.20	+41 42 2.2	9.999355
Rom (Vatican) Mer.-Kr.	100	+41 54 16.8	− 0 49 49.28	− 8.18	+41 42 45.5	9.999357
Rousdon	157	+50 42 38	+ 0 11 58.9	+ 1.96	+50 31 16	9.999137
Rugby	117	+52 22 7	+ 0 5 2.0	+ 0.83	+52 10 54	9.999093
St. Louis Missouri	—	+38 38 3.6	+ 6 0 49.15	+59.28	+38 26 45.5	9.999433
San Fernando	31	+36 27 40.4	+ 0 24 49.37	+ 4.08	+36 16 36.1	9.999488

[1]) Flower Obs. (Univ. of Pennsylvania). — [2]) Dr. Jedrzejewicz; 1898 nach Warschau verlegt. — [3]) Observatório Regional do Rio Grande do Sul. — [4]) Vassar College. — [5]) Alte Sternwarte 2″.0 nördlich, 1s.94 östlich; 65m. — [6]) Seagrave; Ladd Observatory 35″ nördlich, 1s.57 östlich.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
San Francisco[1]	—	+37 47 28.0	+ 8 9 42.81	+80.45	+37 36 14.8	9.999453
Santiago de Chile (N. St.)	519	−33 26 42.0	+ 4 42 46.4	+46.44	−33 16 3.0	9.999594
Santiago de Chile (A. St.)	619	−33 26 25.4	+ 4 42 36.9	+46.42	−33 15 46.4	9.999600
Scarborough	—	+54 16 30	+ 0 1 38.9	+ 0.27	+54 5 30	9.999038
Schwerin	—	+53 37 37.9	− 0 45 40.80	− 7.50	+53 26 32.9	9.999054
Seeberg[2])	356	+50 56 5.2	− 0 42 55.10	− 7.05	+50 44 44.0	9.999145
Sétif	1113	+36 11 19	− 0 21 38.3	− 3.55	+36 0 17	9.999569
South Hadley	76	+42 15 18.2	+ 4 50 20.38	+47.70	+42 3 45.9	9.999346
Speyer	—	+49 18 55.2	− 0 33 45.51	− 5.54	+49 7 27.1	9.999161
Stockholm Mer.-Kreis	44	+59 20 32.7	− 1 12 13.97	−11.86	+59 10 21.4	9.998922
Stonyhurst	116	+53 50 40.0	+ 0 9 52.7	+ 1.62	+53 39 36.5	9.999056
Straßburg (Prov. Stw.)	161	+48 34 54.0	− 0 31 2.37	− 5.10	+48 23 23.5	9.999191
Straßburg (N. St.). M.-Kr.[3])	144	+48 35 0.4	− 0 31 4.53	− 5.10	+48 23 29.9	9.999190
Sydney	44	−33 51 41.1	−10 4 49.60	−99.35	−33 40 58.2	9.999551
Tacubaya[4])	2322	+19 24 17.5	+ 6 36 46.53	+65.18	+19 17 2.6	9.999998
Taschkent	457	+41 19 31.3	− 4 37 10.69	−45.53	+41 8 1.7	9.999396
Taunton Mass. (Metcalf)	8	+41 54	+ 4 44 20	+46.71	+41 42	9.999351
Teramo (Cerulli)	398	+42 39 27	− 0 54 56	− 9.02	+42 27 54	9.999358
Tokio	—	+35 39 17.5	− 9 18 58.73	−91.82	+35 28 19.2	9.999506
Toronto	108	+43 39 35.9	+ 5 17 34.69	+52.17	+43 28 1.1	9.999313
Tortosa (Ebro-Stw.) M.-Kr.	—	+40 49 14	− 0 1 58.5	− 0.32	+40 37 46	9.999378
Toulouse	194	+43 36 45.3	− 0 5 51.0	− 0.96	+43 25 10.6	9.999320
Triest	23	+45 38 45.4	− 0 55 2.90	− 9.04	+45 27 9.9	9.999256
Troy N. Y.	—	+42 43 52.9	+ 4 54 44.6	+48.42	+42 32 19.6	9.999329
Tsingtau (Met.-astr. Stat.)	—	+36 4 11.3	− 8 1 16.21	−79.06	+35 53 9.8	9.999496
Tulse Hill (W. Huggins)	53	+51 26 47.0	+ 0 0 27.7	+ 0.08	+51 15 28.4	9.999111
Turin Mer.-Kr.	276	+45 4 7.9	− 0 30 47.15	− 5.06	+44 52 32.2	9.999288
Twickenham (G. Bishop)	—	+51 27 4.2	+ 0 1 13.1	+ 0.20	+51 15 45.6	9.999108
Upsala (N. Stw.) Pass.-Instr.	21	+59 51 29.4	− 1 10 30.13	−11.58	+59 41 24.2	9.998909
Urbana Jll.	236	+40 6 20.2	+ 5 52 53.97	+57.97	+39 54 55.1	9.999412
Utrecht	12	+52 5 9.5	− 0 20 31.6	− 3.37	+51 53 54.4	9.999093
Valkenburg (Ignatius Coll.)	—	+50 52 29.3	− 0 23 19.91	− 3.83	+50 41 7.8	9.999122
Venedig	15	+45 26 10.5	− 0 49 22.12	− 8.11	+45 14 34.9	9.999261
Warschau[5]) Zentr. d. Stw.	110	+52 13 4.6	− 1 24 7.25	−13.82	+52 1 50.3	9.999096
Warschau[6])	—	+52 13 10	− 1 24 5	−13.81	+52 1 56	9.999088
Washington (Alte Stw.)	31	+38 53 38.9	+ 5 8 12.13	+50.63	+38 42 19.4	9.999428

[1]) Davidson Observatory. — [2]) Alte Sternwarte, 1857 nach Gotha verlegt. — [3]) Seit Anfang 1881. — [4]) Seit März 1883, früher in Chapultepec. — [5]) Universitäts-Sternwarte. — [6]) Dr. Jedrzejewicz; seit 1898, früher in Plonsk.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Washington (Neue Stw.)	82	+38 55 14.0	+ 5 8 15.80	+ 50.64	+38 43 54.4	9.999431
Washington (Kath. Univ.)	—	+38 56 14.8	+ 5 8 0.0	+ 50.60	+38 44 55.1	9.999425
Wellington Transit Instr.[1]	127	−41 17 3.8	−11 39 4.27	−114.84	−41 5 34.3	9.999375
Wellington (Mt. Cook Obs.)[2]	44	−41 16 47.1	−11 39 5.31	−114.84	−41 5 17.6	9.999369
West Point N.Y. (N. Stw.)[3]	170	+41 23 22.1	+ 4 55 50.6	+ 48.60	+41 11 52.3	9.999375
Whitestone (Field Obs.)	—	+40 47 21.6	+ 4 55 7.7	+ 48.48	+40 35 53.8	9.999379
Wien (Alte Sternw.)	167	+48 12 35.5	— 1 5 31.61	— 10.76	+48 1 3.9	9.999201
Wien (Josephstadt)[4]	214	+48 12 53.8	— 1 5 25.17	— 10.74	+48 1 22.2	9.999204
Wien (Neue Sternw.) Zentr.	240	+48 13 55.4	— 1 5 21.36	— 10.73	+48 2 23.9	9.999205
Wien (Ottakring)[5]	285	+48 12 46.7	— 1 5 10.97	— 10.71	+48 1 15.1	9.999209
Wien (Mil. Geogr. Inst.)	—	+48 12 40.0	— 1 5 26.25	— 10.75	+48 1 8.4	9.999189
Wien (Techn. Hochschule)	—	+48 11 58.5	— 1 5 29.71	— 10.76	+48 0 26.9	9.999190
Wilhelmshaven Mer.-Kr.	9	+53 31 52.1	— 0 32 35.06	— 5.35	+53 20 46.4	9.999057
Williams-Bay Wisc.[6]	335	+42 34 12.6	+ 5 54 13.28	+ 58.19	+42 22 39.6	9.999356
Williamstown Mass.	213	+42 42 49	+ 4 52 53.5	+ 48.12	+42 31 16	9.999344
Williamstown Vict.	—	−37 52 7.2	— 9 39 38.1	— 95.22	—37 40 53.5	9.999451
Wilna Pass.-Instr.	122	+54 40 59.1	— 1 41 8.76	— 16.61	+54 30 2.1	9.999036
Windsor N. S. W.[7]	16	−33 36 30.8	−10 3 20.77	— 99.11	−33 25 50.2	9.999556
Zô-sè China	100	+31 5 48	— 8 4 44.80	— 79.63	+30 55 34	9.999619
Zürich Meridian-Kreis	468	+47 22 38.3	— 0 34 12.3	— 5.62	+47 11 4.8	9.999242

[1]) Hector Observatory. — [2]) 1884 abgebrochen. — [3]) Seit 1883. Alte Sternwarte 9″ nördlich, 1s.2 östlich. — [4]) von Oppolzers Sternwarte. — [5]) v. Kuffner. — [6]) Yerkes Observatory. — [7]) J. Tebbutt. Neue Sternwarte, 0″.4 südlich von der alten.

Normalzeiten der wichtigeren Länder

a) An den Meridian von Greenwich angeschlossen

Normalzeit	Bezeichnung	Staaten
$11^h\ 30^m$ O.	—	Neu Seeland
10 0	Ostaustralische Z.	Victoria, Neu Süd-Wales, Queensland, Tasmanien
9 30	—	Süd-Australien
9 0	—	Japan, Korea
8 0	Ostchinesische Küsten-Z.	Ostküste von China, West-Australien
7 0	Südchinesische Küsten-Z.	Südküste von China, Franz. Indochina
5 30	—	Ostindien
2 30	—	Deutsch Ostafrika
2 0	Osteuropäische Z.	Bulgarien, Rumänien, Türkei, Ägypten, Süd-Afrika
1 0	Mitteleuropäische Z. (M. E. Z.)	Dänemark, Deutschland, Italien, Luxemburg, Norwegen, Österreich-Ungarn, Schweden, Schweiz, Serbien, Deutsch Südwest-Afrika
0 0	Westeuropäische Z. (Greenwich Z.)	Belgien, Frankreich, Großbritannien und Irland, Portugal, Spanien, Gibraltar, Algerien
3 0 W.	—	Ost-Brasilien
4 0	Atlantic St. Time	Mittel-Brasilien, Canada (Küste)
5 0	Eastern St. Time	Canada (Quebec, Ontario bis 82° 30′ westl.), Vereinigte Staaten (Ost-Zone), Chile, Panama, Peru, West-Brasilien
6 0	Central St. Time	Zentral-Zone von Canada und Vereinigte Staaten
7 0	Mountain St. Time	Gebirgszone von Canada und Vereinigte Staten
8 0	Pacific St. Time	Vereinigte Staaten (Pacifische Küste), Britisch Kolumbien
10 30	—	Sandwich Inseln

b) Nicht an den Meridian von Greenwich angeschlossen

Staaten	Meridian	Längendifferenz gegen Greenwich	Staaten	Meridian	Längendifferenz gegen Greenwich
Argentinien	Cordoba	$4^h\ 16^m\ 48^s.2$ W.	Niederlande	Amsterdam	$0^h\ 19^m\ 32^s.1$ O.
Columbien	Bogota	4 56 54.2 W.	Rußland	Pulkowa	2 1 18.6 O.
Ecuador	Quito	5 14 6.7 W.	Uruguay	Montevideo	3 44 48.9 W.
Griechenland	Athen	1 34 52.9 O.	Venezuela	Caracas	4 27 43.6 W.
Mexico	Mexico	6 36 26.7 W.			

Besondere Erläuterungen zu den Angaben und zum Gebrauch des Jahrbuchs.

Das Jahrbuch gibt die Örter der *Wandelsterne* in geozentrischen und in heliozentrischen Koordinaten. Die Zeitpunkte, für die sie gelten, sind, wenn nicht ausdrücklich eine andere Zeit angegeben wird, in Mittlerer Zeit Greenwich ausgedrückt.

Die Örter der *Fixsterne* sind einmal als wahre, auf das mittlere Äquinoktium des Jahresanfangs bezogen, und dann in Ephemeridenform als scheinbare, auf das instantane wahre Äquinoktium bezogen, gegeben.

Zur Erläuterung ist im einzelnen folgendes zu bemerken:

Sonnenephemeride (S. 2—38).

Der erste Teil der Sonnenephemeride (S. 2—19) gibt auf den linken Seiten für jeden mittleren Greenwicher Mittag:

1) Die Zeitgleichung = Mittlere Zeit *minus* Wahre Zeit.

2) Die geozentrischen, äquatorialen Koordinaten α, δ des scheinbaren Sonnenorts, bezogen auf das jedesmalige wahre Äquinoktium, zugleich mit der ersten Differenzreihe. Diese Angaben sind direkt mit den Beobachtungen vergleichbar. Die Nutationsglieder kurzer Periode sind, wie im Vorwort erwähnt, in den Koordinaten nicht enthalten.

3) Die halbe Durchgangsdauer der Sonnenscheibe durch den Meridian in Sternzeit.

4) Den geozentrischen Halbmesser H der Sonnenscheibe, d. i. der Winkel, unter dem der Sonnenhalbmesser vom Erdmittelpunkt aus erscheint.

Die rechten Seiten geben:

1) Den Tag der julianischen Periode.

2) Die Sternzeit im Mittleren Greenwicher Mittag.

Um für einen anderen Erdort der westlichen Längendifferenz $\Delta\lambda$ (in Stunden) gegen Greenwich die Sternzeit in seinem Mittleren Mittag zu erhalten, ist zu diesen Angaben zuzulegen: $9^s.8565\,\Delta\lambda$. Diese Werte finden sich unter der Überschrift: »Korr. der Sternzeit« im Verzeichnis der Sternwarten.

3) Die geozentrischen ekliptikalen Koordinaten λ, β des wahren Sonnenorts, bezogen auf das mittlere Äquinoktium des Jahresanfangs, sowie log R, den Logarithmus der Entfernung R der Erde von der Sonne. Diese Angaben finden bei Bahnberechnungen u. dergl. Verwendung.

4) Die mittleren Ortszeiten des Aufgangs und Untergangs der Sonne für einen Ort des Nullmeridians in $+50^0$ Breite; sie sind mit der Horizontalrefraktion $34'.9$ berechnet und gelten für den oberen Rand der Sonne. Um daraus für einen beliebigen anderen Ort zwischen $+30^0$ und $+60^0$ geographischer Breite die entsprechenden Angaben zu erhalten, ist die Tabelle S. 424, 425 zu benutzen.

Auf S. 20—37 folgen, bezogen auf das mittlere Äquinoktium des Jahresanfangs, die rechtwinkligen geozentrischen äquatorialen Sonnenkoordinaten für 0^h und 12^h Mittlere Zeit Greenwich mit ihren stündlichen Änderungen in Einheiten der siebenten Dezimale. Daneben stehen von Tag zu Tag ihre Reduktionen auf das mittlere Äquinoktium 1925.0. Auf S. 367—369 sind die vereinigten Werte, d. h. die auf das mittlere Äquinoktium 1925.0 bezogenen rechtwinkligen Sonnenkoordinaten sechsstellig von 4 zu 4 Tagen gegeben; sie dienen zur bequemen Verbindung der Koordinatenangaben aufeinanderfolgender Jahre bei Rechnungen über kleine Planeten und Kometen. Am Fuß der Seite 37 finden sich die Zeiten für die Anfänge der Jahreszeiten und für das Peri- und Apogäum der Sonne.

Die Seite 38 enthält die Aberration, Parallaxe, mittlere Länge $L_\odot$ und mittlere Anomalie $M_\odot$ der Sonne im Intervall von je 10 Tagen.

Mondephemeride (S. 39—58).

Seite 39 enthält die Zeitangaben für die Phasen und das Peri- und Apogäum des Mondes.

Die Mondephemeride (S. 40—57) gibt auf den linken Seiten für 12^h Mittlere Zeit Greenwich:

1) Die scheinbare Rektaszension und Deklination des Mondmittelpunktes mit den ersten Differenzen.

2) Die Äquatorial-Horizontalparallaxe $p_☾$ des Mondes.

3) Den geozentrischen Mondhalbmesser $r_☾$, d. i. der Winkel, unter dem der Mondhalbmesser vom Erdmittelpunkt aus erscheint.

4) Die Länge und Breite des Mondes, abgekürzt auf $0^0.001$.

Die rechten Seiten enthalten:

1) Für den oberen Durchgang des Mondes im Meridian von Greenwich die genäherten Angaben für die Rektaszension, Deklination und Parallaxe des Mondmittelpunktes, sowie die Mittlere Greenwicher Zeit dieses Durchgangs, nebst den Änderungen für 1^h Längendifferenz.

2) Die mittleren Ortszeiten des Aufgangs und Untergangs des Mondes für einen Ort des Nullmeridians in $+50^0$ Breite nebst Änderung für 1^h Längendifferenz; sie sind mit der Horizontalrefraktion $34'.9$ berechnet und gelten für den oberen Rand des Mondes. Um daraus für einen beliebigen anderen Ort zwischen $+30^0$ und $+60^0$ geographischer Breite die entsprechenden Angaben zu erhalten, ist die Tabelle S. 426, 427 zu benutzen.

Auf S. 58 finden sich:

☊, Aufsteigender Knoten der Mondbahn auf der Ekliptik
$L_☾$, Mittlere Länge des Mondes
$M_☾$, Mittlere Anomalie des Mondes
i, Neigung des Mondäquators gegen den Erdäquator
☊′, Aufsteigender Knoten des Mondäquators auf dem Erdäquator
Δ, Stück des Mondäquators zwischen Ekliptik und Erdäquator

☋, der aufsteigende Knoten des Mondäquators auf der Ekliptik ist gleich dem absteigenden Knoten der Mondbahn, also

$$☋ = ☊ \pm 180^0.$$

Die Größen i, Δ und ☊′ berechnen sich aus:

$$\sin \frac{1}{2} (\Delta + ☊') \cos \frac{1}{2} i = \cos \frac{1}{2} (\varepsilon - J) \sin \frac{1}{2} ☋$$

$$\cos \frac{1}{2} (\Delta + ☊') \cos \frac{1}{2} i = \cos \frac{1}{2} (\varepsilon + J) \cos \frac{1}{2} ☋$$

$$\sin \frac{1}{2} (\Delta - ☊') \sin \frac{1}{2} i = \sin \frac{1}{2} (\varepsilon - J) \sin \frac{1}{2} ☋$$

$$\cos \frac{1}{2} (\Delta - ☊') \sin \frac{1}{2} i = \sin \frac{1}{2} (\varepsilon + J) \cos \frac{1}{2} ☋;$$

dabei ist J, die Neigung des Mondäquators gegen die Ekliptik, nach F. Hayn (Astr. Nachr. Bd. 199, S. 263) zu $J = 1^0\,32'\,20''$ angenommen worden. Die Zahlen geben die Lage des mittleren Mondäquators (ohne physische Libration).

Die auf S. 58 gemachten Angaben über die Elemente der Mondbahn und des Mondäquators dienen, teilweise in Verbindung mit den Größen $L_⊙$ und $M_⊙$ auf S. 38, verschiedenen Zwecken:

1) Als Argumente für die Berechnung der Reduktionsgrößen A, B, C, D, E, A', B'.

2) Bei Bestimmung der selenographischen Koordinaten von Punkten der Mondoberfläche (siehe darüber den folgenden Abschnitt).

3) Bei Berechnung der *optischen* und *physischen* Libration des Mondes.

a) Für die Berechnung der *optischen* Libration des Mondes sind alle nötigen Angaben in den Erläuterungen zu den Hilfstafeln unter Nr. 7 gemacht.

b) Die Beträge der *physischen* Mondlibration in selenographischer Länge, der Neigung des Mondäquators und seinem aufsteigenden Knoten auf der Ekliptik τ, ϱ, σ haben die Werte:

$$\tau = -13'' \sin M_☾ + 65'' \sin M_⊙ + 26'' \sin 2(L_☾ - M_☾ - ☊)$$

$$\varrho = -106'' \cos M_☾ + 34'' \cos(2L_☾ - M_☾ - 2☊) - 11'' \cos 2(L_☾ - ☊)$$

$$\sigma \sin J = -108'' \sin M_☾ + 34'' \sin(2L_☾ - M_☾ - 2☊) - 11'' \sin 2(L_☾ - ☊)$$

Diese Zahlenangaben beruhen auf der Annahme $f = 0.73$, worüber F. Hayn (Astr. Nachr. Bd. 199, S. 264) einzusehen ist.

Ephemeride für den Mondkrater Mösting A

(S. 59—63).

Die Ephemeride des Mondkraters Mösting A dient zwei verschiedenen Zwecken: erstens zur genauen Bestimmung von Mondörtern am Himmel durch Beobachtung des Kraters, zweitens zur Bestimmung der selenographischen Koordinaten weiterer Punkte der Mondoberfläche durch deren mikrometrischen Anschluß an Mösting A.

Sie gilt für 12^h Mittlere Zeit Greenwich und enthält für die Tage, an welchen Mösting A innerhalb der Beleuchtungsgrenze liegt, die Unterschiede $\alpha_{☾} - \alpha_k$ in Rektaszension und $\delta_{☾} - \delta_k$ in Deklination zwischen der Mondmitte und dem Krater, vom Erdmittelpunkt aus gesehen, sowie den Logarithmus des Sinus der Äquatorial-Horizontalparallaxe p_k des Kraters, welche von der des Mondes $p_{☾}$ zu unterscheiden ist, mit den zugehörigen Differenzen.

Zur Anwendung der Ephemeride auf Beobachtungen des Kraters interpoliere man $\alpha_{☾} - \alpha_k$, $\delta_{☾} - \delta_k$ und $\log \sin p_k$ mit der Beobachtungszeit. Fügt man alsdann $\alpha_{☾} - \alpha_k$ und $\delta_{☾} - \delta_k$ zum geozentrischen Ort des Kraters (die Parallaxe wird mit p_k und δ_k, der Deklination des Kraters, berechnet), so hat man die geozentrische AR. und Dekl. des Mondes für die Beobachtungszeit.

Hat man einen Punkt der Mondoberfläche mikrometrisch an Mösting A angeschlossen, so bestimme man zunächst die topozentrischen, d. h. mit Parallaxe behafteten Koordinatendifferenzen $\alpha'_{☾} - \alpha'_k$ und $\delta'_{☾} - \delta'_k$ zwischen Mondmittelpunkt und Mösting A aus folgenden Identitäten:

$$\alpha'_{☾} - \alpha'_k = \alpha_{☾} - \alpha_k + (\alpha'_{☾} - \alpha_{☾}) - (\alpha'_k - \alpha_k)$$
$$\delta'_{☾} - \delta'_k = \delta_{☾} - \delta_k + (\delta'_{☾} - \delta_{☾}) - (\delta'_k - \delta_k).$$

Verbindet man die so erhaltenen topozentrischen Abstände zwischen der Mondmitte und Mösting A mit den mikrometrischen Messungen zwischen Mösting A und einem zweiten Krater, so erhält man die topozentrische Lage des letzteren gegen die Mondmitte und kann hieraus mit Hülfe von $\alpha'_{☾}$ und $\delta'_{☾}$ und den Angaben auf Seite 58 die selenographische Länge und Breite des zweiten Kraters berechnen. Hierzu dienen die im folgenden angeführten Formeln.

Bezeichnet man mit α' und δ' die topozentrische AR. und Dekl. des an Mösting A angeschlossenen Kraters, so hat man:

$$s \sin \pi_m = (\alpha' - \alpha'_{☾}) \cos \tfrac{1}{2} (\delta' + \delta'_{☾})$$
$$s \cos \pi_m = \delta' - \delta'_{☾}$$
$$\pi = \pi_m - \tfrac{1}{2} (\alpha' - \alpha'_{☾}) \sin \tfrac{1}{2} (\delta' + \delta'_{☾})$$
$$\sin (K + s) = \sin s \operatorname{cosec} h.$$

h' ist der Abstand des Kraters vom Mondschwerpunkt, gesehen vom Beobachtungsort aus, der aus h, dem vom Erdmittelpunkt aus gesehenen Abstand, durch Anbringen der Parallaxe gewonnen wird. Ist die Entfernung des Kraters vom Mondschwerpunkt gänzlich unbekannt, so möge für h der aus Sternbedeckungen folgende Wert des Mondhalbmessers 15′ 32″.59 (nach J. Peters, Astr. Nachr. Bd. 138, S. 147) eingesetzt werden.

$$\begin{aligned}
\sin d &= -\sin\delta'_{☾}\cos K + \cos\delta'_{☾}\sin K\cos\pi \\
\cos d\cos(a-\alpha'_{☾}) &= -\cos\delta'_{☾}\cos K - \sin\delta'_{☾}\sin K\cos\pi \\
\cos d\sin(a-\alpha'_{☾}) &= \sin K\sin\pi \\
\sin\beta &= \sin d\cos i - \cos d\sin i\sin(a-\Omega') \\
\cos\beta\sin\lambda' &= \sin d\sin i + \cos d\cos i\sin(a-\Omega') \\
\cos\beta\cos\lambda' &= \cos d\cos(a-\Omega') \\
\lambda &= \lambda' - 180° - L_{☾} - (\Delta - ℧).
\end{aligned}$$

Die so erhaltenen Werte von λ und β beziehen sich auf den mittleren (vom Einfluß der physischen Libration freien) Mondäquator; die Transformation auf den wahren erfolgt durch die Korrektionen:

$$\begin{aligned}
d\lambda = &+13''\sin M_{☾} - 65''\sin M_{☉} - 26''\sin 2(L_{☾} - M_{☾} - \Omega) \\
&+ \operatorname{tg}\beta\,[-106''\cos(L_{☾} - M_{☾} - \Omega + \lambda) + 34''\cos(L_{☾} - M_{☾} - \Omega - \lambda) \\
&- 11''\cos(L_{☾} - \Omega - \lambda)] \\
d\beta = &+108''\sin(L_{☾} - M_{☾} - \Omega + \lambda) + 34''\sin(L_{☾} - M_{☾} - \Omega - \lambda) \\
&- 11''\sin(L_{☾} - \Omega - \lambda)
\end{aligned}$$

Bringt man diese Korrektionen $d\lambda$ und $d\beta$ an λ und β an, so erhält man die selenographischen Koordinaten des Kraters:

$$\lambda_0 = \lambda + d\lambda, \qquad \beta_0 = \beta + d\beta$$

Der Berechnung der Ephemeride des Kraters Mösting A liegen folgende von F. Hayn ermittelten Konstanten (Astr. Nachr. Bd. 199, S. 263) zugrunde:

$$\lambda_0 = -5°\,10'\,7'', \qquad \beta_0 = -3°\,11'\,2''$$

$$h = 15'\,33''.4$$

Für die Reduktion auf den mittleren Mondäquator wurden die Werte angenommen:

$$\begin{aligned}
d\lambda &= -13''\sin M_{☾} + 65''\sin M_{☉} + 26''\sin 2(L_{☾} - M_{☾} - \Omega) \\
d\beta &= -107''\sin(L_{☾} - M_{☾} - \Omega + \lambda_0) - 34''\sin(L_{☾} - M_{☾} - \Omega - \lambda_0) \\
&\quad + 11''\sin(L_{☾} - \Omega - \lambda_0),
\end{aligned}$$

so daß die auf den mittleren Mondäquator bezogenen selenographischen Koordinaten des Kraters Mösting A sind:

$$\lambda = \lambda_0 + d\lambda, \qquad \beta = \beta_0 + d\beta.$$

Die Formeln zur Berechnung der Ephemeride siehe in den Erläuterungen zum Jahrbuch 1916.

Ephemeriden der Grossen Planeten

(S. 64—112).

Die geozentrischen Örter der Planeten sind für Merkur, Venus und Mars von Tag zu Tag, für Jupiter, Saturn und Uranus von 2 zu 2 Tagen und für Neptun von 4 zu 4 Tagen mit ihren ersten Differenzen gegeben, und zwar in scheinbaren, d. h. auf das momentane wahre Äquinoktium bezogenen Koordinaten des scheinbaren Orts, für 0^h Mittlere Zeit Greenwich. Die letzte Spalte gibt die Mittlere Greenwicher Zeit der oberen Kulmination in Greenwich.

Für die Reduktion und die Vergleichung der Planetenbeobachtungen mit der Ephemeride ist die Kenntnis der scheinbaren Halbmesser erforderlich. Man kann für dieselben in der Einheit der Entfernung annehmen:

für Merkur	Halbmesser	. . . . .	3.″34		
» Venus	»	. . . . .	8.78		
» Mars	»	. . . . .	4.68		
» Jupiter	»	(Äquatorial)	99.8,	(Polar)	92.″6
» Saturn	»	(Äquatorial)	81.4,	(Polar)	73.4
» Uranus	»	. . . . .	34.7		
» Neptun	»	. . . . .	45		

Die heliozentrischen Ephemeriden der Planeten (S. 109—112) geben den Log. des Radiusvector, die Länge in der Bahn, deren Reduktion auf die Ekliptik und die Breite, außerdem bei den Planeten Jupiter, Saturn, Uranus und Neptun noch den bei Störungsrechnungen manchmal gebrauchten Winkel B_0, welchen der Radiusvector mit derjenigen Bahnebene macht, für welche die bei jedem Planeten gemachten Angaben über ☊ und i gelten.

Bei Jupiter, Saturn, Uranus und Neptun stellen ☊ und i die Bahnlage für die Epoche 1925.0 und das Normaläquinoktium 1925.0 dar; bei Merkur, Venus und Mars gelten sie für den Jahresanfang 1921.0 und sind bezogen auf das Äquinoktium 1925.0.

Die Genauigkeit und Ausführlichkeit dieser heliozentrischen Angaben sind ihrem Hauptzweck, zur Berechnung der speziellen Störungen zu dienen, angepaßt.

Die beigefügten Werte der Planetenmassen sind die den Tafeln von Newcomb und von Hill zugrunde liegenden. Für die Erde ist noch besonders zu erwähnen, daß die Masse von »Erde + Mond« gegeben ist, Radiusvector und heliozentrische Länge sich auf den Schwerpunkt des Systems »Erde + Mond« beziehen.

Mittlere Örter von 925 Fixsternen (S. 114—137).

Die mittleren Örter der 925 Fixsterne sind aus den Daten der Veröffentlichung Nr. 33 des *Königlichen Astronomischen Rechen-Instituts* mit den daselbst angegebenen Hilfsgrößen für Präzession und Eigenbewegung abgeleitet worden. Nur die mittleren Örter der 20 Polsterne sind durch mechanische Quadratur berechnet.

Die Angaben über die Sternspektra sind der »Revised Harvard Photometry« in »Harvard Annals, vol. 50« entnommen.

Scheinbare Örter von 573 Fixsternen (S. 138—337).

Die scheinbaren Örter der Fixsterne sind für den Moment der oberen Kulmination im Greenwicher Meridian gegeben und enthalten die kurzperiodischen Mondglieder der Nutation n i c h t; nur bei den 18 Polsternen ist deren Betrag gesondert unter der Überschrift ☾Gl. gegeben.

Zunächst werden die scheinbaren Örter von 555 Sternen von 10 zu 10 Sterntagen gegeben; in der ersten Spalte ist die Mittlere Greenwicher Zeit der Kulmination hinzugefügt.

Es folgen die scheinbaren Örter für 18 weniger als 10° von den Polen entfernte Sterne für jede obere Kulmination. Die Anordnung ist eine derartige, daß für jeden Zeitraum einer Seite sämtliche 9 (entweder nördliche oder südliche) Polsterne nebeneinander aufgeführt sind, wie es für den Gebrauch am geeignetsten erscheint. Die Glieder z w e i t e r Ordnung der »Reduktion auf den scheinbaren Ort« sind hierbei berücksichtigt.

Am Fuß der Ephemeriden ist der mittlere Ort eines jeden Sterns für den Anfang des Jahres, außer für die Polsterne, wieder angegeben, dazu die Werte von tg δ und sec δ, welche bei der Reduktion der Meridianbeobachtungen nach der hierfür am zweckmäßigsten erscheinenden B e s s e l schen Formel gebraucht werden.

Die jährliche Parallaxe ist bei folgenden Sternen, bei denen sie 0″.20 übersteigt und hinreichend verbürgt erscheint, nämlich:

Nr. 59	τ Ceti	mit	0″.31	Nr. 538	α Centauri	mit	0″.75
Nr. 127	ε Eridani	»	0.32	Nr. 745	α Aquilae	»	0.23
Nr. 257	α Can. maj.	»	0.38	Nr. 793	61 Cygni	»	0.30
Nr. 291	α Can. min.	»	0.33				

bereits berücksichtigt. Von den nicht mit Ephemeriden versehenen Sternen des F. K. besitzt noch Nr. 825, ε Indi eine Parallaxe von 0″.25.

Reduktionsgrössen (S. 338—374).

Auf die scheinbaren Örter der Sterne folgt S. 338 eine Zusammenstellung der Werte, mit welchen die Reduktionsgrößen der darauf folgenden Tafeln berechnet sind, und der Formeln für die Reduktion auf den scheinbaren Ort.

Die Größen zur »Reduktion auf den scheinbaren Ort« sind in ihrer *ersten* Form: A, B, C, D, E; A', B' gegeben für 12^h Sternzeit des Meridians von Greenwich:

1) Auf S. 339 im Intervall von 10 Sterntagen.

Diese Tafel soll zur Berechnung von Sternephemeriden für die Epochen der Meridiandurchgänge dienen. Wegen ihrer logarithmischen Form und des großen Intervalls ist die Tafel zur Interpolation nicht geeignet. Man wird deshalb zweckmäßig die Interpolation erst nach der Summierung der einzelnen unmittelbar für die Epochen der Tafel berechneten Glieder vornehmen.

2) Auf S. 358—366 für jeden Sterntag. Hier sind die numerischen Werte von A, B, C und D mit ihren Differenzen gegeben und die kurzperiodischen Mondglieder A' und B' mit angeführt.

Beiden Tafeln ist in einer Spalte die dem festen Sternzeitmoment jedesmal entsprechende Mittlere Zeit Greenwich vorangestellt; man wird hiernach auf jeden beliebigen Zeitpunkt, gegeben durch Datum, Sternzeit und Längendifferenz gegen Greenwich, übergehen können. Eine weitere Spalte gibt die seit Beginn des annus fictus verflossene Zeit in Bruchteilen des tropischen Jahres.

Die Reduktionsgrößen der *zweiten* Form: f, $\log g$, G, $\log h$, H, $\log i$ sowie f', g' und G' sind S. 340—357 von Tag zu Tag für 12^h Mittlere Zeit Greenwich gegeben. Um den Gebrauch der Spalte $\log i$ zu erleichtern, sind an den Stellen, wo die Werte von i durch Null gehen, auch die numerischen Werte in besonderer Spalte hinzugefügt.

Auch hier findet sich eine Spalte, t überschrieben, welche die seit Beginn des annus fictus verflossene Zeit in Bruchteilen des tropischen Jahres gibt.

Die Seiten mit ungerader Seitenzahl enthalten außer den schon erwähnten f', g', G' noch folgende Größen:

a) ψ = Allgemeine Präzession seit 1921.0.
b) $\Delta\psi$ = Langperiodische Glieder der Nutation in Länge.
c) $\Delta\psi'$ = Kurzperiodische Glieder der Nutation in Länge.
d) Die wahre Schiefe der Ekliptik.
e) $\Delta\varepsilon$ = Langperiodische Glieder der Nutation in Schiefe.
f) $\Delta\varepsilon'$ = Kurzperiodische Glieder der Nutation in Schiefe.

Die mittlere Schiefe der Epoche erhält man durch Subtraktion der Gesamtnutation ($\Delta\varepsilon + \Delta\varepsilon'$) von der wahren Schiefe (in Spalte d).

Weitere Reduktionsgrößen folgen auf Seite 367—369. Es sind dies zunächst die rechtwinkligen äquatorialen Sonnenkoordinaten, bezogen auf das Normaläquinoktium 1925.0, die hauptsächlich zur Berechnung von genaueren Ephemeriden kleiner Planeten nützlich sind.

Die auf den gleichen Seiten gegebenen Größen f, $\log g$ und G dienen zur Übertragung der Örter von dem mittleren Normaläquinoktium $t_2 = 1925.0$ auf das instantane wahre Äquinoktium t_1. Diese Übertragung bedarf noch einer Korrektion, die man der Seite 370 entnehmen kann.

Auf Seite 371 findet sich eine Tafel der Hilfsgrößen zur Übertragung der Polsternörter von verschiedenen mittleren Äquinoktien auf das mittlere Äquinoktium von 1921.0 sowie eine Tafel der Hilfsgrößen zur Berechnung der Präzession von verschiedenen mittleren Äquinoktien bis 1921.0. Die Formeln zur Übertragung der Polsternörter von dem Äquinoktium t_2 auf t_1 lauten:

$$a_2 = \alpha_2 - [(m) + (N) - 90^0]$$

$$p_2 = -\left(\tang \delta_2 - \cos a_2 \tang \frac{1}{2}(n)\right) \sin (n)$$

$$\tang \Delta a_2 = \frac{p_2 \sin a_2}{1 - p_2 \cos a_2}$$

$$\alpha_1 = a_2 - [90^0 - (N)] + \Delta a_2$$

$$\tang \frac{1}{2}(\delta_1 - \delta_2) = -\cos\left(a_2 + \frac{1}{2}\Delta a_2\right) \sec \frac{1}{2}\Delta a_2 \tang \frac{1}{2}(n)$$

Eine Tafel zur Übertragung von Sternörtern vom mittleren Äquinoktium von 1921.0 auf das Normaläquinoktium 1925.0 (auf Seite 372 bis 374) beschließt die Sammlung der Tafeln der Reduktionsgrößen.

Sonnen- und Mondfinsternisse (S. 376—383).

Über die Verwendung der bei den Sonnenfinsternissen gegebenen Besselschen Elemente zur Vorausberechnung der Phasenzeiten und der Positionswinkel der Kontakte siehe die Erläuterungen zum Jahrbuch 1916, die auch ein durchgeführtes Zahlenbeispiel enthalten.

(μ' ist nicht mehr tabuliert und durchgangs $= 15$ anzusetzen.)

Sternbedeckungen durch den Mond (S. 384—386).

Für die an irgend einem Ort in Mitteleuropa (das Gebiet gelegen zwischen $+45^0$ und $+55^0$ geographischer Breite und $0^h\,25^m$ und $1^h\,25^m$ östlicher Greenwicher Länge) beobachtbaren Bedeckungen sind gegeben:

1) ein Verzeichnis der bedeckten Sterne; die angegebenen Nummern beziehen sich auf den: Catalogue of Zodiacal Stars by H. B. Hedrick, veröffentlicht in: Astronomical Papers of the American Ephemeris, Vol. VIII, Part III.
2) die Mittlere Greenwicher Zeit der Konjunktion in Rektaszension von Mond und Gestirn.

Es soll mit diesen Angaben nur auf die Bedeckungen aufmerksam gemacht werden. Bezüglich der zur genaueren Vorausberechnung (siehe die Erläuterungen zum Jahrbuch 1916, die auch ein Beispiel enthalten) dienenden Elemente sei auf die American Ephemeris verwiesen.

Jupiterstrabanten (S. 387—388).

Die Seiten 387 und 388 enthalten die Zeitangaben für die Verfinsterungen der vier älteren Jupiterstrabanten in dem Schattenkegel des Jupiter; Ein- und Austritte sind durch beigefügtes E. und A. unterschieden.

Saturnsring (S. 389—392, 404).

Die Angaben für die scheinbare Größe des Saturn und für die Lage und Größe des Saturnsringes haben die folgende Bedeutung:

α Große Achse des Saturn.

β Scheinbare kleine Achse des Saturn.

p_a Phase; positiv, wenn der Ostrand, negativ, wenn der Westrand verdunkelt ist.

a Große Achse der Ringellipse.

b Kleine Achse der Ringellipse; positiv, wenn die nördliche, negativ, wenn die südliche Fläche des Ringes sichtbar ist.

U' Heliozentrische Länge des Saturn, gezählt auf der Ringebene vom aufsteigenden Knoten des Ringes in der Ekliptik an.

B' Erhöhungswinkel der Sonne über der Ringebene vom Saturn aus gesehen; nördlich positiv, südlich negativ.

P' Winkel der kleinen Achse der Ringellipse mit dem durch den Saturnsmittelpunkt gehenden Längenkreise; östlich positiv, westlich negativ.

U Geozentrische Länge des Saturn, gezählt auf der Ringebene vom aufsteigenden Knoten des Ringes im Erdäquator an.

B Erhöhungswinkel der Erde über der Ringebene vom Saturn aus gesehen; nördlich positiv, südlich negativ.

P Winkel der kleinen Achse der Ringellipse mit dem durch den Saturnsmittelpunkt gehenden Stundenkreise; östlich positiv, westlich negativ.

N Aufsteigender Knoten der Ringebene im Erdäquator, gezählt vom Äquinoktium an.

J Neigung der Ringebene gegen den Erdäquator.

ω Entfernung der Ekliptik vom Erdäquator, gemessen auf der Ringebene.

Es liegen folgende Bestimmungen nach Struve zugrunde:

Durchmesser des Saturn in der Entfernung 9.53887

Äquatorial $17''.47$ Polar $15''.65$

Lage des Saturnsringes gegen die Ekliptik und das Äquinoktium von 1889.25

$$\Omega_1 = 167^\circ\ 57'.0 \quad \text{und} \quad i_1 = 28^\circ\ 5'.6;$$

Durchmesser des Ringes in der Entfernung 9.53887

$$2\,R = 39''.35.$$

Saturnstrabanten (S. 393—417).

Alle Berechnungen über die Saturnstrabanten sind mit den von H. Struve in:

I. Beobachtungen der Saturnstrabanten, 1. Abteilung, 1. Supplementheft zu den »*Observations de Poulkova*«;

II. *Publications de l'Observatoire Central Nicolas*, Série II, Vol. XI,

abgeleiteten, in Astr. Nachr. Bd. 162, S. 325 u. ff. weiter verbesserten Elementen durchgeführt. Für die Halbachsen der 6 inneren Trabanten sind die auf Seite 239 der zweiten Abhandlung mittels der Saturnsmasse $\mu = \frac{1}{3500}$ rechnerisch abgeleiteten Werte angenommen.

Zunächst sind für die fünf inneren Trabanten auf den Seiten 393 bis 404 die Hilfsmittel gegeben, um in bequemer Weise ihre Positionen ableiten zu können. Sieht man hierbei von den Neigungen γ ab, so erhält man die rechtwinkeligen Koordinaten x und y des Trabanten in bezug auf ein Achsenkreuz, dessen Anfangspunkt im Mittelpunkt des Saturn gelegen ist, dessen X-Achse parallel der großen Achse des Ringes verläuft, positiv, wenn östlich, negativ, wenn westlich vom Saturn, und dessen positive Y-Achse mit dem durch den Saturnsmittelpunkt gehenden Stundenkreise den Winkel P einschließt, aus den Gleichungen:

$$x = \frac{a(\varDelta)}{\varDelta} \frac{1}{1+\zeta} \frac{r}{a} \sin(u-U)$$

$$y = \frac{a(\varDelta)}{\varDelta} \frac{1}{1+\zeta} \frac{r}{a} \sin B \cos(u-U).$$

$(\varDelta) = 9.53887$ bezeichnet den mittleren Wert der Entfernung Sonne—Saturn, $\varDelta$ ist die Entfernung Erde—Saturn, $u = L + (v-M)$ ist die wahre Länge des Trabanten vom Erdäquator an gezählt.

Ist genaueste Ortsbestimmung erforderlich, so darf man bei Mimas, Tethys und Rhea die Neigungen gegen den Saturnsäquator, da sie schon merklichere Werte annehmen, nicht mehr vernachlässigen; x und y ergeben sich dann aus:

$$x = \frac{a(\varDelta)}{\varDelta} \frac{1}{1+\zeta} \frac{r}{a} \sin(u-U)$$

$$y = \frac{a(\varDelta)}{\varDelta} \frac{1}{1+\zeta} \frac{r}{a} \sin B \left[\cos(u-U) + \sin\gamma \operatorname{cotg} B \sin(u-\vartheta)\right].$$

Die Werte von ϑ, der Länge des aufsteigenden Knotens der Trabantenbahn auf dem Saturnsäquator, gezählt vom Schnittpunkte des Saturnsäquators mit dem Erdäquator, finden sich auf Seite 404; auch ist hier für Rhea γ, weil stärker mit der Zeit veränderlich, in Intervallen von 16 Tagen gegeben.

Will man aus x und y die Rektaszensions- und Deklinationsdifferenzen bestimmen, so dienen dazu die Gleichungen:

$$s \sin (p - P) = x$$
$$s \cos (p - P) = y$$
$$\Delta\alpha = \alpha_{tr} - \alpha_{pl} = \frac{1}{15} s \sin p \sec \delta_{tr}$$
$$\Delta\delta = \delta_{tr} - \delta_{pl} = s \cos p .$$

Auf den Seiten 405—413 finden sich für die drei äußeren Trabanten Titan, Hyperion und Japetus, außer den Hilfsgrößen U, B und P, die Rektaszensions- und Deklinationsunterschiede gegen den Saturn in dem Sinne Trabant minus Planet. Die aus den Angaben des Berliner Jahrbuchs ermittelten Trabantenörter sind wahre Örter und beziehen sich auf das mittlere Äquinoktium der Epoche.

Zum Schluß enthalten die Seiten 414—417 die Zeitangaben für die östlichen Elongationen von Mimas, Enceladus, Tethys, Dione, Rhea, ferner für die östlichen und westlichen Elongationen ($u - U = \pm 90°$) und für die oberen und unteren Konjunktionen ($u - U = 0°, 180°$) von Titan, Hyperion und Japetus mit Saturn; diese Zeitangaben für die Elongationen und Konjunktionen sind bereits für Lichtzeit korrigiert, also ohne weiteres mit den Beobachtungen vergleichbar.

Konstellationen (S. 418).

In der Übersicht der Konstellationen des Jahres 1921 sind die hauptsächlichsten Planeten-Konstellationen gegeneinander und gegen Sonne, Mond und die Sterne 1. und 2. Größe, letztere nur soweit, als die Differenz der Deklination zwischen Planet und Stern den Betrag von 1° nicht übersteigt, sowie die Angaben der Epochen, zu welchen sich die Planeten in gewissen Hauptpunkten ihrer Bahn und ihres synodischen Laufes befinden, zusammengestellt. Die Bedeutung der hier verwendeten Zeichen siehe Seite VIII des Vorworts. — Die Konjunktionen der Planeten mit dem Mond und ihre gegenseitigen sind als Konjunktionen in AR. zu verstehen. Letztere sind nur insoweit berücksichtigt, als die Differenz der Deklinationen beider Planeten den Betrag von 3° nicht übersteigt. Für die Berechnung der Epochen der größten Helligkeit der Venus wurde für die Lichtstärke die Formel von G. Müller (*Publikation des Astrophys. Observatoriums zu Potsdam,* Bd. VIII, Seite 197 ff.) zugrunde gelegt:

$$h = -4.004 + 0.01322\, \alpha + 0.0000004247\, \alpha^3 + 5 \log (r\Delta),$$

worin α (in Graden) den Winkel an der Venus im Dreieck Sonne—Venus—Erde, r und Δ die ihn einschließenden Seiten bezeichnen.

Hilfstafeln (S. 419—438).

Es folgt eine Reihe von häufig gebrauchten Hilfstafeln.

1) Tafeln für Präzessionswerte (S. 419—421).

a) Präzession in Rektaszension und Deklination (Seite 419).

$$p_\alpha = m + \tfrac{1}{15} n \sin \alpha \operatorname{tg} \delta$$

$$p_\delta = n \cos \alpha$$

b) Präzession in Länge und Breite (Seite 420 u. 421).

$$p_\lambda = \psi + \pi \operatorname{tg} \beta \cos (\Pi - \lambda)$$

$$p_\beta = \pi \sin (\Pi - \lambda)$$

c) Präzessionswerte m, n, ψ, π, Π und die mittlere Schiefe der Ekliptik (Seite 419).

Den Tafeln a) und b) liegen die Präzessionswerte für 1925.0 zugrunde. Über die Bedeutung der Bezeichnungen und die Zahlenwerte vergleiche die Erläuterungen zum Jahrbuch für 1916.

2) Tafel des halben Tagbogens (S. 422—423). Berechnet mit der Horizontalrefraktion 34'.9 für geographische Breiten von + 30° bis + 60° und Deklinationen von — 30° bis + 30°.

3) Reduktionstafeln für die Auf- und Untergangszeiten der Sonne und des Mondes (S. 424—427). Sie geben die Reduktion der für + 50° Breite gültigen Zeiten, wie sie in den Ephemeriden enthalten sind, auf geographische Breiten zwischen + 30° und + 60° und sind mit der Horizontalrefraktion 34'.9 für das Erscheinen oder Verschwinden des oberen Gestirnsrandes gerechnet.

4) Eine Tafel für die Ermittelung eines Datums in der julianischen Periode (Seite 428—431.) Die Tafel besteht aus zwei Teilen: Der erste Teil (S. 428—429) gibt in vierjährigen Schaltperioden für die Jahre 0 bis 2000 die Anzahl der am 0. Januar seit Anfang der Julianischen Periode verflossenen Tage. Als Ergänzung gibt die Hilfstafel am Fuß der Seite die Anzahl der am 0. jedes Monats seit Beginn der Schaltperiode verflossenen Tage. Der zweite Teil (S. 430—431) gibt für die Jahre 1860—1939 unmittelbar die Anzahl der am 0. jedes Monats im gregorianischen Kalender seit Beginn der julianischen Periode verflossenen Tage.

5) Hilfstafeln zur Verwandlung von Mittlerer Zeit in Sternzeit (S. 432) und von Sternzeit in Mittlere Zeit (S. 433).

6) Eine Tafel zur Verwandlung von Stunden, Minuten und Sekunden in Dezimalteile des Tages und umgekehrt (S. 434—435).

7) Die Tafel zur Berechnung der optischen Mondlibration (S. 436—437) gibt mit dem Argument $\lambda - \Omega$ die Werte $\Delta\lambda$, a und B entsprechend den Gleichungen:

$$\Delta\lambda = \frac{1}{\text{arc } 1'} \text{tang}^2 \frac{1}{2} J \sin 2 (\lambda - \Omega)$$

$$a = -\cos(\lambda - \Omega) \sin J$$

$$\text{tang } B = -\sin(\lambda - \Omega) \text{ tang } J$$

J = Neigung des Mondäquators gegen die Ekliptik.

Ω = Länge des aufsteigenden Knotens der Mondbahn auf der Ekliptik (s. S. 58).

λ, β = Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort.

Bezeichnen noch $L_{☾}$ die mittlere Länge des Mondes, l' und b' die optische Libration der Mondmitte in selenographischer Länge und Breite, so ist:

$$l' = \lambda - L_{☾} + \Delta\lambda - a(B - \beta)$$

$$b' = B - \beta$$

Der Winkel C, welchen der Mondmeridian des Mittelpunktes der scheinbaren Mondscheibe mit dem Stundenkreise bildet, ergibt sich aus der Gleichung:

$$\sin C = -\sin i \frac{\cos(L_{☾} + l' + \Delta - ☋)}{\cos \delta_{☾}} = -\sin i \frac{\cos(\alpha_{☾} - \Omega')}{\cos b'},$$

worin $\alpha_{☾}$, $\delta_{☾}$ Rektaszension und Deklination des Mondmittelpunktes, gesehen vom Beobachtungort aus, bezeichnen; die anderen vorkommenden Größen i, Δ, ☋ und Ω' haben schon auf S. 450 ihre Erklärung gefunden.

8) Eine Tafel der Hilfsgrößen s und c (S. 438) zur Berechnung der geozentrischen Breite φ' und der geozentrischen Entfernung ρ eines Erdortes, ausgedrückt in Einheiten der großen Halbachse des Erdellipsoids, aus der geographischen Breite φ nach den Formeln:

$$\rho \sin \varphi' = s \sin \varphi$$

$$\rho \cos \varphi' = c \cos \varphi$$

Darin haben s und c die Bedeutung:

$$s = \frac{1 - e^2}{\sqrt{1 - e^2 \sin^2 \varphi}}, \quad c = \frac{1}{\sqrt{1 - e^2 \sin^2 \varphi}}, \quad e = \sqrt{2\mathfrak{a} - \mathfrak{a}^2}$$

Gemäß den Beschlüssen der Pariser Ephemeridenkonferenz von 1911 ist dabei die Abplattung $\mathfrak{a} = \frac{1}{297.0}$ angenommen.

Koordinaten der Sternwarten (S. 439—446).

Die Seiten 439—446 enthalten die geographischen und geozentrischen Koordinaten der Sternwarten.

Die Seehöhen sind in allen Fällen angegeben, wo sie sich einigermaßen sicher ermitteln ließen. Die Angaben sind zum größten Teil dem Verzeichnis von Auwers im *Geographischen Jahrbuch*, dem *Nautical Almanac* oder der *American Ephemeris* entnommen.

Die geographischen Längen sind auf den Meridian von Greenwich bezogen und dem entsprechend gibt die »Korrektion der Sternzeit« die Differenz: Sternzeit im Mittleren Ortsmittag minus Sternzeit im Mittleren Greenwicher Mittag an.

Die geozentrischen Koordinaten sind den Beschlüssen der Pariser Ephemeridenkonferenz vom Oktober 1911 gemäß unter Annahme der Abplattung 1 : 297.0 berechnet.

Bei Berechnung von log ϱ ist die Seehöhe berücksichtigt.

Normalzeiten der wichtigeren Länder (S. 447).

Hier sind die in den wichtigeren Ländern eingeführten Normalzeiten in zwei Gruppen zusammengestellt, je nachdem sie an den Meridian von Greenwich angeschlossen sind oder einen eigenen Landes-Meridian zugrunde legen.

Berichtigung.

Jahrgang 1921, S. 122. Die Nummern von δ Argus und ε Hydrae sind vertauscht; es muß heißen:

Nr. 330 δ Argus
» 329 [ε Hydrae]

Alphabetisches Sachregister.